

Admiral

RC550, RC550A, RC550GA RECORD CHANGERS

Record Changers RC550, RC550A and RC550GA are identical, except for differences in length of connecting leads and color of plastic trim.

Record Changers RC550X and RC550AX are used in export sets.

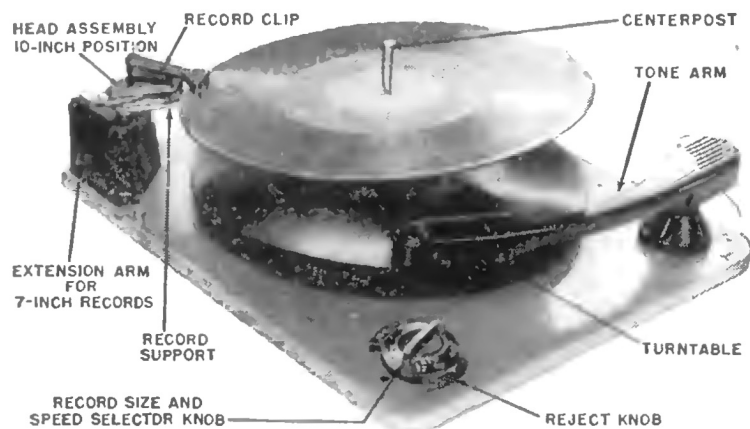
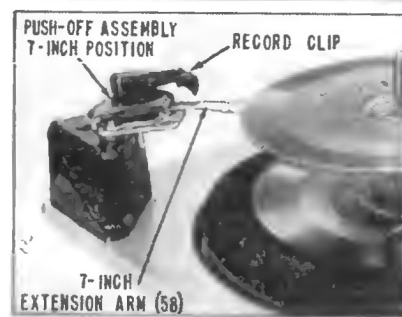
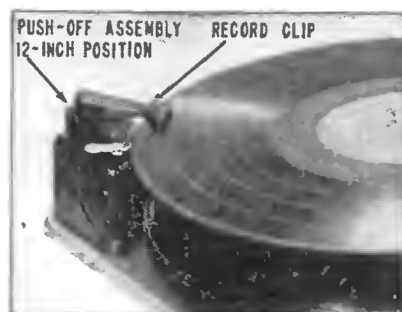


Figure 1. RC550 Record Changer, Top View.



OPERATING INSTRUCTIONS

SETTING THE SIZE AND SPEED SELECTOR KNOB: The available record sizes (7, 10, 12) are engraved under the three different speeds (33, STD, 45) on this knob. Rotate the knob until the size of record to be played (under the proper speed), lines up with the indicating dot on the changer pan. (Note that no size number is engraved under "45" since only 7-inch 45 RPM records are available.)

SETTING PUSH-OFF ASSEMBLY: Pivot the Push-off assembly toward the centerpost to play 10-inch records and away from the centerpost to play 12-inch records. For 7-inch records, place the Push-off assembly in the 10-inch position and move the extension arm toward the centerpost.

LOADING AND STARTING: Place a stack of records over the centerpost so that they rest on the record support (64) and the centerpost offset. Records must be the same size and speed. If 10 or 12-inch records are being played, place the record clip on the stack.

The record changer is turned on by placing the function switch on the radio, in the "Phono" position.

REJECTING A RECORD: If the record changer will not trip into change cycle at the end of a record, or if you wish to stop playing a record and start playing the next one, merely rotate the reject knob to the left momentarily.

STOPPING AND UNLOADING: Do not turn the record changer off during change cycle. Turn the phono motor off by turning the function switch on the radio to the center position.

45 RPM ADAPTER: An adapter must be inserted into the center hole of the 45 RPM records in order to play them with this changer.

CHANGE CYCLE

If at all possible, we recommend that you carefully observe the change cycle of a record changer which is operating properly. It is a good idea to rotate the turntable by hand and repeat the change cycle until the function of each part is understood.

The changer operates as follows: The turntable is driven by the motor idler wheel (48), riding against its inside rim. The speed of the turntable is determined by the diameter of the drive shaft (either 78 RPM, 45 RPM, or 33 RPM) which rides against the idler wheel rubber tire (48).

The 78 RPM drive shaft is part of the motor armature. The 33 RPM drive shaft (44) and the 45 RPM drive shaft (45) are moved in and out of position mechanically by the motor shift link (84), which is controlled by the selector cam (89). See figure 4.

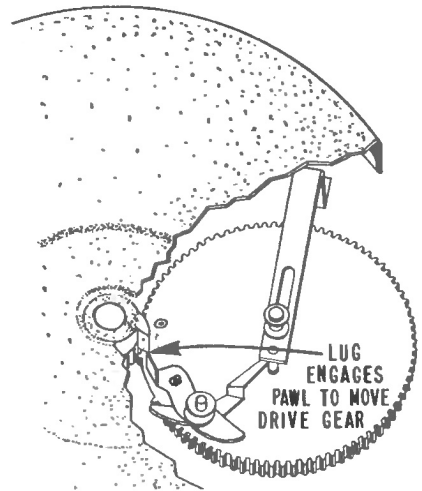
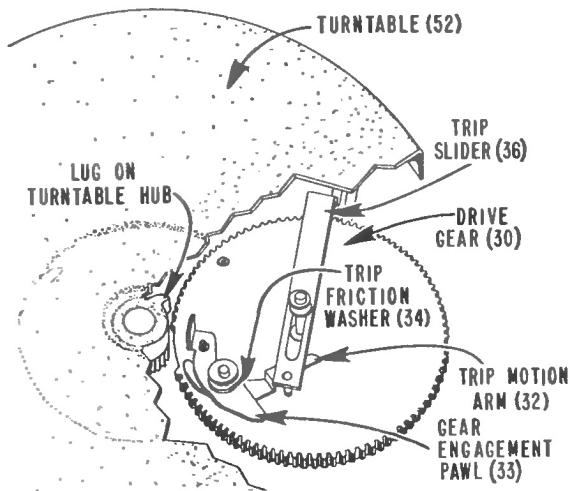


Figure 2A. Drive Gear Position Out of Change Cycle.

Figure 2B. Drive Gear Position During Change Cycle.

The changer mechanism is driven during its change cycle by the drive gear (30), which in turn is driven by the geared hub of the turntable. During normal record play, the "dead spot" on the drive gear is held next to the turntable hub by the gear indexing arm (41) and spring (39).

This changer employs a velocity trip, which consists primarily of two parts: the trip motion arm (32), and the gear engagement pawl (33). These parts are mounted near the "dead spot" on the drive gear. See Figure 2A.

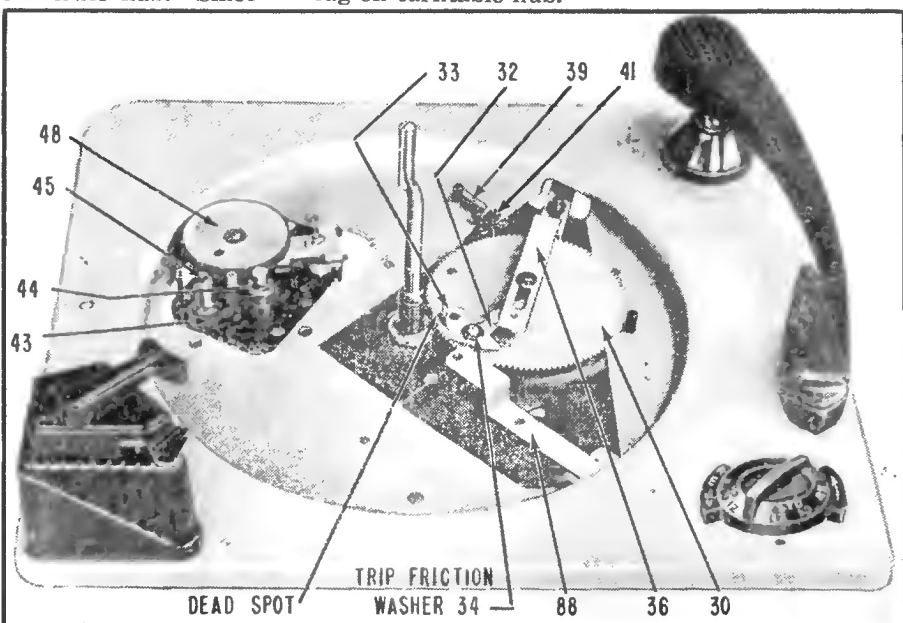
During normal record play, the trip slider (36) is moved slowly by the stud on the arm control lever (23) which moves with the tone arm. The stud on the trip slider (36) rides against the trip motion arm (32), moving it very slightly. Since the gear engagement pawl (33) is held against the trip motion arm (32) by the trip friction washer (34), the gear engagement pawl (33) is also moved slightly toward the turntable hub. Since

this movement is only slight, the vertical catch on the gear engagement pawl (33) is just touched and "kicked away" by the lug on the turntable hub. This occurs with each revolution of the turntable until the gear engagement pawl is moved in rapidly enough to be positioned in front of the lug before the next turntable cycle.

This rapid movement only occurs when the trip slider (36) is moved rapidly, by the tone arm, as the needle enters the trip grooves of the record. The gear engagement pawl (33) then moves in front of and engages the lug on the turntable hub. This causes the drive gear (30) to be rotated far enough so that the teeth on the drive gear will engage the teeth on the turntable hub, starting the change cycle. See figure 2B.

The changer can also be tripped by rotating the reject knob to the left momentarily. The stud on the end of the reject arm (88) moves the gear engagement pawl (33) into position to engage the lug on turntable hub.

Fig. 3. RC550 Record Changer with Turntable Removed.



For Individual parts detail, see Figure 9, "RC550 Record Changer, Exploded View."

As the drive gear begins to rotate, the control cam (90) also rotates, since both parts are mounted on the same shaft. See fig. 4. As the control cam rotates clockwise, drive link roller (109) riding against the cam moves the drive link (107), which in turn rotates the control plate (102). As the control plate rotates, the incline tab (102A) rides across the tone arm lift rod (12), lifting the tone arm from the record. The stud on the arm control lever (23) then is engaged by the safety arm (105) (which rotates with the control plate), moving the tone arm away from the centerpost.

When the tone arm is almost clear of the record, the stud on the push-off link (86) (which is pivoted by the control cam), pivots the push-off arm (79) counterclockwise. Since the push-off arm is held to the push-off plate and shaft (60) by two Allen screws, the push-off plate is also pivoted. Just before the control cam reaches half rotation, the tone arm will be positioned as far as possible from the centerpost, and the push-off plate (60) will "push-off" the record to the turntable.

As the control cam (90) rotates through the second half of the change cycle, the push-off plate is returned by the push-off arm return spring (78) and the remainder of the stack of records drops to the record support (64). See figure 1.

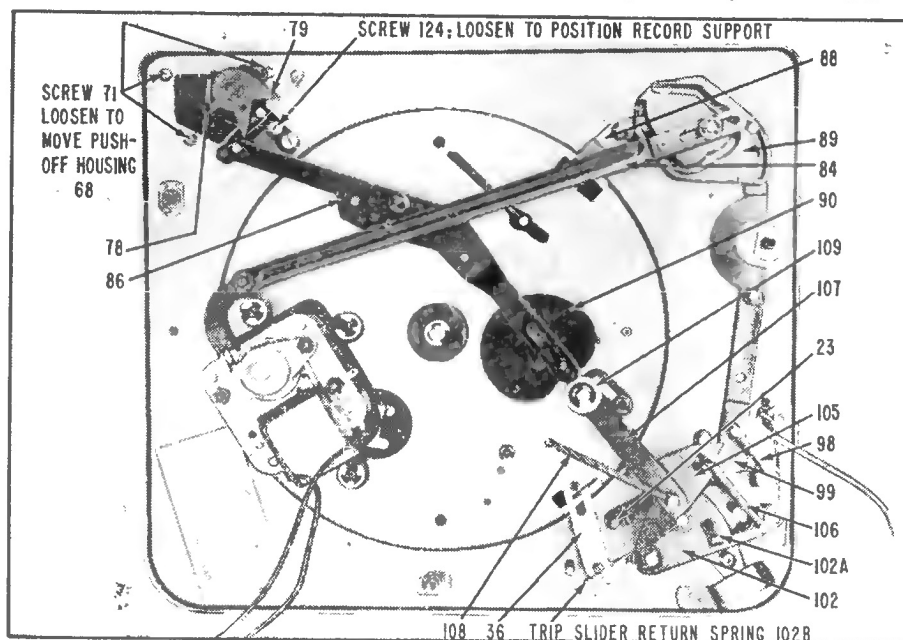
At the same time, the tone arm is returned by the set-down spring (98) which causes the set-down indexing stud on the size change plate (99) to ride against the indexing portion of the arm control lever (23).

The tone arm will move toward the record until the set-down indexing stud on the size change plate has reached the indexing point (end of cut-away section) on the arm control lever. After the arm stops moving inward, the lift rod will ride down the control plate incline (102A), and the tone arm will move toward the record.

Just before the tone arm touches the record, the safety arm engages the stud on the set-down change plate (99) and pivots it away from the arm control lever (23); releasing the tone arm.

The set-down point is determined by the position of the set-down change plate (99), which can be set for either 7-inch, 10-inch, or 12-inch.

Fig. 4. RC550 Record Changer, Bottom View, Changer Out of Cycle.



ADJUSTMENTS

When making the following adjustments, keep in mind that the Push-off, Trip, and Set-Down mechanisms function independently. One of these units may become inoperative without affecting the other two.

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 (32) and the gear engagement pawl (33). If the friction is lost, a small amount of lubricant (such

as lubriplate #110) should be placed between these parts. If this does not help, it may be necessary to replace the trip friction washer (34). See Figure 2A.

SET-DOWN ADJUSTMENT

Adjustment of the set-down point, is made by adjusting the set-down adjusting screw (6). See Figure 5. The tone arm will automatically set-

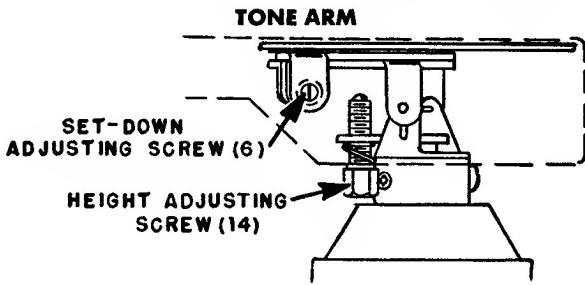


Figure 5. Set-Down and Height Adjustments.

down properly on 7-inch or 12-inch records if the set-down adjustment is made properly on a 10-inch record. The set-down adjusting screw is accessible through the hole in the right side of the tone arm. Turning this screw in moves the set-down point of the tone arm closer to the centerpost, and turning this screw out moves it away from the centerpost. Make this adjustment as follows:

1. Place the size and speed selector knob (26) in the "78-10" position.
2. Rotate the reject knob to the left momentarily. Then start to rotate the turntable clockwise by hand.
3. As the change cycle is almost completed, and the tone arm just starts to move down towards the turntable, place a ruler against the centerpost and check the distance between the near side of the centerpost and the needle. This distance should be between $4 \frac{10}{16}$ " and $4 \frac{11}{16}$ ".
4. If the 10-inch adjustment is correct, the needle should set-down between $5 \frac{19}{32}$ " and $5 \frac{22}{32}$ " from the near side of the centerpost on 12-inch records, and between $3 \frac{1}{4}$ " to $3 \frac{5}{32}$ " on 7-inch records.

ADJUSTING THE TONE ARM HEIGHT

This record changer is so designed that the tone arm will clear the bottom record of a stack to be played if the needle is $\frac{1}{4}$ " above the changer pan when the changer is not in change cycle and $1\frac{3}{8}$ " above the turntable during change cycle. See Figure 6. With proper tone arm height setting, the tone arm will lift high enough during change cycle to clear a complete stack of records of any type on the turntable. This stack may consist of as many records as specified on page 1. Make this adjustment by placing the size and speed selector knob (26) in the "78-10" position, check

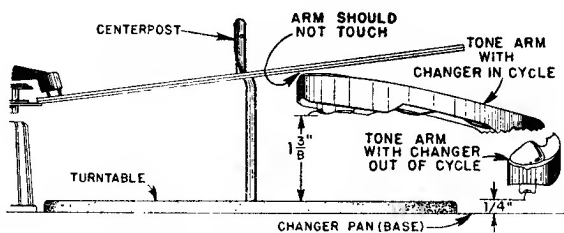


Figure 6. Checking Tone Arm Height.

the distance between the needle and the changer pan with the changer out of change cycle. If the needle is more than $\frac{1}{4}$ " above the pan, turn the lift adjustment screw (14, Figure 5) counterclockwise; if less, turn clockwise.

POSITIONING RECORD SUPPORT (64)

If the record support is not positioned evenly under the bottom record of a stack to be played, one side of the record may drop to the turntable before the other. With the push-off assembly in the 10-inch position, place a 10-inch record over the upper portion of the centerpost so that the edge of the record fits against the edge of the record support (64). See figures 4 and 7. The contour of the record SHOULD follow the contour of the record support. If these contours do not match, position the push-off assembly as follows:

CAUTION: Be sure that the "testing" record has an even edge. For best results, try more than one record.

1. Loosen the screw (124) that holds the push-off positioning arm assembly (75) stationary.
2. Grip the push-off assembly and pivot it to the point where the edge of the record support "lines up" with the edge of the record.
3. Remove the record and tighten the screw (124).
4. Load the changer with a stack of 10-inch records, and "reject" the entire stack to the turntable. Check to see that all records drop to the turntable evenly.

ADJUSTING DISTANCE BETWEEN RECORD SUPPORT (64) AND CENTERPOST (24)

If records do not push-off satisfactorily, or more than one record drops to the turntable during change cycle, it may be necessary to adjust the distance between the centerpost and the record support. See Figures 4 and 8. Make this adjustment as follows:

1. Place the push-off assembly in the 10-inch position.
2. Hold the centerpost as far away from the push-off assembly as possible.
3. Measure the distance from the edge of the record support (64) to the inside edge of the offset shelf on the centerpost. This distance should be between $4 \frac{29}{32}$ " and $4 \frac{31}{32}$ ".
4. If it is necessary to adjust for this distance, loosen the three screws (71) holding the plastic push-off housing (68) to the changer pan.
5. Tighten the three screws, and recheck the distance. Place a stack of records (any size) on the changer, and "reject" each record in the stack to the turntable. Check to see that each record is pushed off satisfactorily. If one side of the record drops to the turntable before the other, it may be necessary to make the "Positioning Record Support (64)" adjustment.

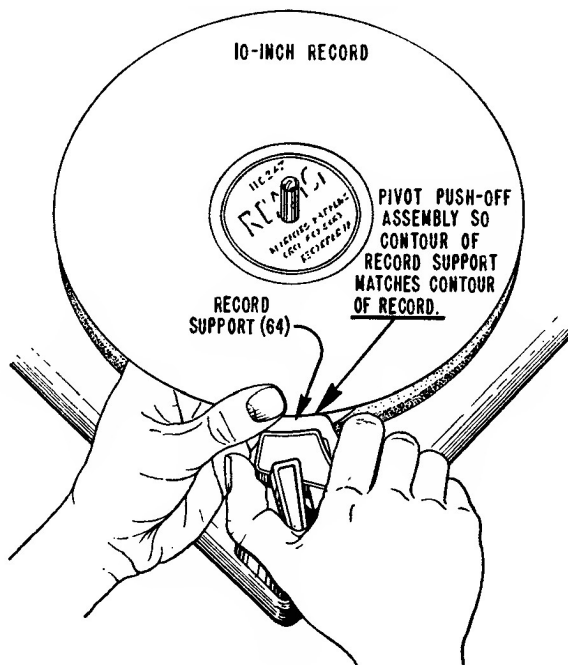


Figure 7. Positioning Record Support with 10-inch Record.

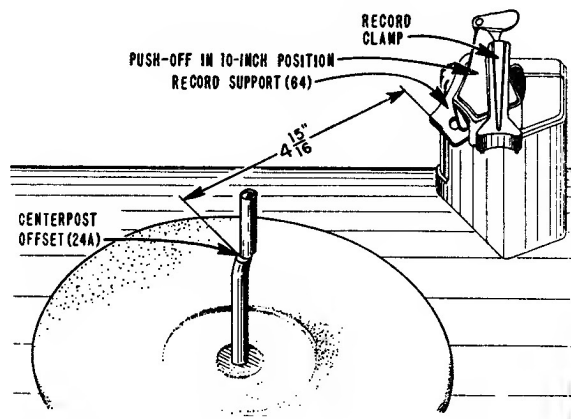


Figure 8. Checking Distance from Centerpost to Record Support.

SERVICE AND REPAIR

LUBRICATION

DO NOT apply grease or oil to the trip slider (36). Also, under normal operating conditions, the motor should never require oiling.

Friction can sometimes be increased between the gear engagement pawl (33) and the trip motion arm (32), by placing a small amount of Lubriplate #110 between these two parts. Ordinary Vaseline can generally be used as a substitute for Lubriplate #110.

The rest of the changer should be lubricated with grease (such as Lubriplate #107) whenever it comes into the shop for repair or adjustment. A good automobile chassis grease can be used for this purpose. All pivot and friction points should be greased.

The powdered iron roller (109) and oilite bearings (used in the turntable hub and tone arm base) may be lubricated with SAE No. 20 oil.

REMOVING AND REPLACING TURNTABLE

To remove the turntable, first remove the turntable retaining clip (51). Be sure that the changer is not in change cycle, and then, grasp the turntable by its edges and lift up. Before replacing the turntable, make sure that the changer is not in change cycle. The pickup arm should be positioned away from the turntable. In replacing the turntable, force is not needed to seat it. Make certain, however, that the idler wheel of the motor has been pushed in towards the centerpost and that the idler wheel is making contact with the inner side of the turntable flange. The idler wheel should be pushed in with a screwdriver or similar flat tool. Do **NOT** push toward the rear of the changer.

REPLACING THE PUSH-OFF INDEX PLATE (77)
Position the push-off index plate (77) as shown in figure 10. Be sure that the Allen screw which is called out "falls into" the milled slot.

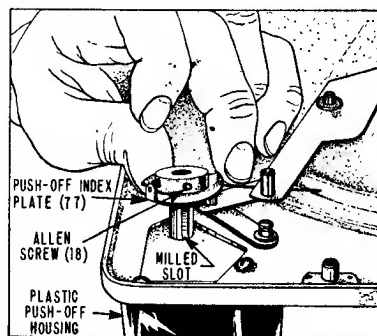


Figure 10. Installing Push-Off Index Plate.

REPLACING SELECTOR CAM (89)

When replacing the selector cam (89), place the size and speed selector knob (26) so "STD-10" lines up with the indicating dot, hold the selector cam in the position shown in Figure 4, and install.

REPLACING CONTROL CAM (90)

Before replacing the control cam (90), be sure that the changer is out of change cycle. Place the control cam in the position shown in Figure 4, and install.

REPLACING THE PUSH-OFF ARM (79)

Place push-off arm (79) over the push-off shaft so that the Allen screw which is called out below fits against the "flat section" of shaft.

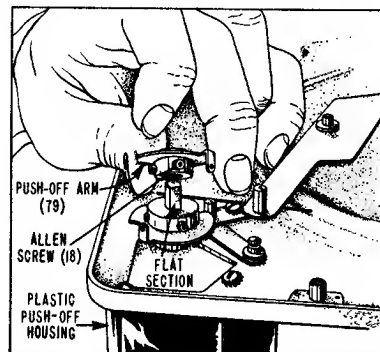


Figure 11. Installing Push-Off Arm.

No.	Part No.	Description	Ref. No.	Part No.	Description
1	{403C51 403C51 G	Tone Arm (Moroon) Tone Arm (Gold)	61	402A250	Spacer Washer
2	{409A13-1 409A13	Pickup Cortridge with needle (push-in type) Pickup Cortridge with needle and knurled nut Cortridges (with needle) are interchangeable	63	402A262	Screw, #4-40x5/16 8H MS (includes lockwasher)
	98A54-2	Knurled Nut (for 409A13 Cortridge)	64	G400A508	Record Support and Tube Assembly
3	{98A15-18 98A15-19	Needle for 409A13-1 Cortridge Needle for 409A13 Cortridge	65	1A72-2-20	Screw, Shokeproof type 25 (# 4 x 5/16")
4	1A72-1-20	Cortridge Mtg. Screw Shokeproof type 25 (2 req.)	66	405A136	Record Clomp Spring
5	G400A529	Tone Arm Lead and Pin Jock Assembly	67	4B1-15B-47	Washer (.390 x 9/10 x 1/32)
6	45-750-C2-47	Set-Down Adjusting Screw, #4-40x3/4 BH MS	68	{403C50 403C50G	Push-off Housing (Moroon) Push-off Housing (Gold)
7	405A137	Set-Down Adjusting Lock Spring	69	401A346	Housing Bottom Plate
8	G400A526	Tone Arm Mtg. and Pivot Plate Assembly	71	402A263	Plasticscrew, #6x5/8 R.H. (includes lock washer)
9	2B10-5-59	Speed Nut (2 req.)	72	402A258	"Hold Down" Screw, #10-32 x 1 1/4" (for shipping only)
10	404A31	Tone Arm Counterweight	73	AA210	Mounting Screw and Washer (table models only)
11	1A70-6-20	Counterweight Retaining Screws, #4 x 3/8" (2 req.)	74	405A139	Floot Spring (3 req.)
12	G400A520	Lift Rod and Plate Assembly	75	G400A565	Push-off Positioning Arm Assembly
13	405A120	Lift Adjusting Spring	76	414A40	Push-off Indexing Spring
14	402A245	Lift Adjusting Screw	77	G400A514	Push-off Index Plate and Hub Assembly
15	414A43	Pivot Shaft			See "Replacing The Push-Off Index Plate (77)" on page 8.
16	G480A525	Tone Arm Support and Hub (includes set screws)	78	405A133	Push-off Return Spring
17	1A43-14	Allen Set Screw, #8-32x3/16" (3 req.)	79	G400A517	Push-off Arm and Hub Assembly (includes Allen screw) See "Replacing The Push-Off Arm (79)" on page 15.
18	402A247	Allen Set Screw, #8-32x1/4" (3 req.)	80	*407B19	*3-Speed Motor Complete, 60 cycle, 117 volts
19	401A355-3	Retaining Ring	81	406A19	Motor Mounting Grommet (3 req.)
20	{403A52 403A52 G	Tone Arm Plastic Base (Moroon) Tone Arm Plastic Base (Gold)	82	401A355-4	Motor Mtg. Retaining Ring (3 req.)
21	401A358	Spacer Washer	83	88A8-1	Phono Motor Plug
22	401A284	Bronze Washer (.316 x 15/32 x .005)	84	G400A580	Motor Shift Link (includes rubber grommet)
23	G400A542	Arm Control Lever and Shaft Assembly	85	406A24	Speed Change Link Grommet
24	G400B505-1	Centerpost	86	G400A562	Push-off Link and Stud Assembly
25	13A2-8-57	Snap-in Buttons	87	405A140	Reject Return Spring
26	{403A59 403A59G	Size and Speed Selector Knob (Moroon) Size and Speed Selector Knob (Gold)	88	G400A581	Reject Arm and Stud Assembly
27	{G400A582 G400A582G	Reject Knob (Moroon) Reject Knob (Gold)	89	401B359	Selector Com, When replacing, see "Replacing Selector Com (89)"
28	415A11	Thrust Bearing	90	G400A548	Control Com and Stud Assembly See "Replacing Control Com (90)" on page 15.
29	401A355-1	Retaining Ring	91	401A145	Control Com Washer
30	G400A532	Drive Geor and Stud Assembly	93	402A265	Screw, #8/32x3/8" BH (includes lock washer)
31	402A229	Trip Pivot Stud	94	4B1-78-47	Washer (.196x2x1/16)
32	401A351-1	Trip Motion Arm	95	402A254	Selector Com Stud
33	401A352	Geor Engogement Powl	96	401A355-3	Centerpost Retaining Ring
34	401A353	Trip Friction Washer	97	G400A579	Set-Down Change Lever
35	4B1-68-47	Washer (5 req.)	98	405A130	Set-Down Spring
36	G400A575	Trip Slider	99	G400A546	Set-Down Change Plate and Arm Assembly
37	4B1-67-47	Washer (.196 x 5/16 x 1/32)	100	402A238	Spacer
38	4B2-178-0	Washer (.196 x 3/4 x 1/64)	101	1A70-11-20	Plasticscrew, # 6 x 7/16"
39	405A134	Geor Indexing Spring	102	G400A537	Control Plate Assembly
40	405A22	Spring Washer	103	401A173	Washer
41	G400A549	Geor Indexing Arm and Stud Assembly	104	401A355-2	Retaining Ring
42	98A15-9	Oil Retaining Felt Washer (2 req.)	105	401A345	Safety Arm
43	406A20	Drive Belt (2 req.)	106	405A131	Safety Spring
44	98A15-11	45 RPM Drive Shaft (60 cycles)	107	G400A538	Drive Link and Stud Assembly
45	98A15-10	33 RPM Drive Shaft (60 cycles)	108	405A132	Control Plate Return Spring
46	405A15	Idler Wheel Retaining Clip	109	415A27	Drive Link Roller
47	412A30	Fibre Washer (2 req.)	110	403A38-1	Plastic Trim (2 req.)
48	G400A279	Idler Wheel Assembly	111	32A88	Antenna Lead Support
49	98A15-21	Idler Wheel Tie Lug	112	2B10-10-59	Speed Nut (4 req.)
50	98A15-20	Idler Wheel Spring	113	27A24	Bottom Cover Bushing (4 req.)
51	414A36	Turntable Retaining Clip	114		Bottom cover
52	G400B507	Turntable	115	413A11-1	Shielded Cable (includes plug, 15')
53	{G400A511 G400A511 G	Record Clomp and Shaft and Rubber Tips (Moroon) Record Clomp and Shaft and Rubber Tips (Gold)	116	88A2-3	Plug (for lead-in cable)
54	406A25	Record Clomp Rubber Tip (2 req.)	117	10B1-18	Terminal Board
55	{403B53 403B53 G	Push-off Plastic Cap (Moroon) Push-off Plastic Cap (Gold)	118		Chonger Pon
56	402A249	Push-off Plate Nut	119	415A28-2	Ball Bearing (5/32 diameter)
57	401A326	7" Record Support Detent Spring	120	412A36	Fibre Washer (.196 x 3/8" x .005)
58	G400A510	7" Record Support	121	414A45	Tone Arm Weight
59	415A28-1	Ball Bearing (1/8" diameter)	122	4B1-19-47	Washer (.125 x 1/4 x 1/32 Steel)
60	G400A509	Push-off Plate and Shaft Assembly	123	412A38	Motor Mounting Washer
			124	402A264	Screw, #6-32 x 3/16" BH

PARTS FOR CONVERTING 407B19 MOTOR TO 50 CYCLE

45 RPM Drive Shaft (50 cycles).....	98A15-15
78 RPM Drive Shaft Spring (50 cycles).....	405A113
33 RPM Drive Shaft Spring (50 cycles).....	405A112

*407B19 motor is not used on "Conodion Admirol" chongers. For Conodion Admiral replacemnt motors order:

{ 60 cycle, 105 to 125 volts.....	407X19-60
{ 25 cycle, 105 to 125 volts.....	407X19-25

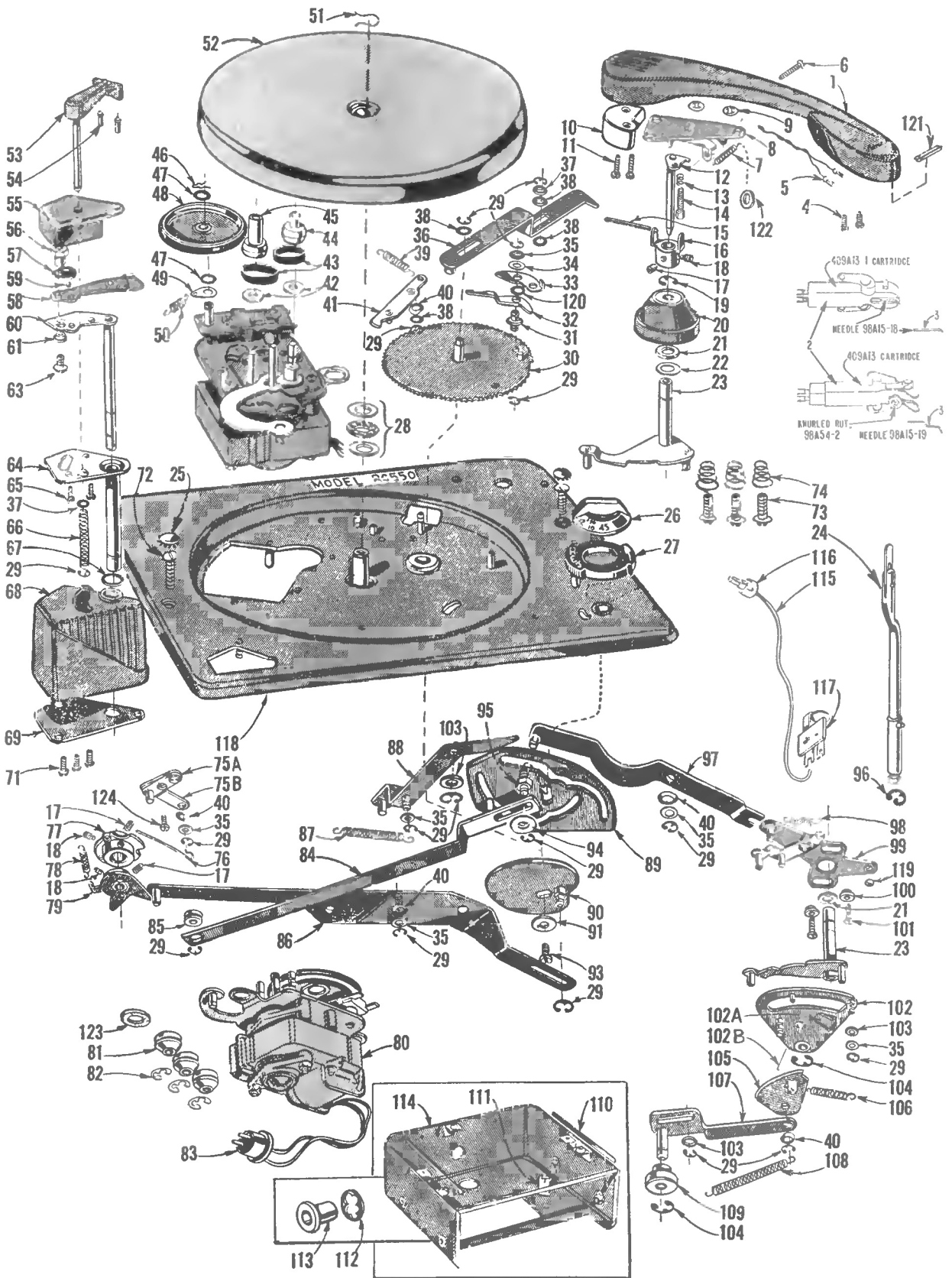


Figure 9. RC550 Record Changer, Exploded View.

RECORD CHANGER TROUBLE SHOOTING

GROOVE SKIPPING

Anything that may cause a drag on the tone arm will contribute to groove skipping. For example, a worn needle will tend to skip grooves. Another possibility is that the Lubriplate (lubricant) between the gear engagement pawl (33) and the trip motion arm (32) may have become excessively tacky after the changer has been in use for some time.

RECORD SLIPPING (45 RPM RECORDS)

Slipping of 45 RPM records may be due to any of the following causes:

1. The 45 RPM adapter nibs may be deformed, may not fit tight enough in the record, or may be cocked. Be sure that the records are not warped. If records have the fibre type 45 RPM adapter, replace them with the plastic type. The plastic type adapter (supplied with later production sets) will fit in the record better and will have sharper nibs. Only the plastic type adapters will be supplied as service replacements. An envelope containing 12 adapters is available under part number 48A8-1.
2. Needle pressure may be too great for this type of record. Try removing a tone arm weight (121), part number 414A45. Two of these weights were used with the 409A13-1 cartridge, and one weight was used with the 409A13 cartridge.

ERRATIC TRIP ACTION

Erratic trip action may be caused by failure of the trip slider return spring (102B) to return the trip slider (36) to its proper position as the changer goes through cycle.

Check the trip slider return spring (102B) for proper tension. Check the trip slider (36) for sticking or binding.

CHANGE IN DRIVE GEAR AND STUD ASSEMBLY (30)

Run 5

Early production record changers (below Run 5) used a drive gear and stud assembly (30) with a removable pivot stud (31), see figure 9.

Later production record changers (stamped Run 5 or higher) use a drive gear and stud assembly (30) with the pivot stud riveted to the drive gear.

The early drive gear and stud assembly, part number G400A532 can be replaced with the later drive gear and stud assembly, part number G400A587. However, note that it will be necessary to order a trip pivot hub (128), part number 402A292, and a retaining ring for a 1/8" stud (129), part number 401A355-6.

Changer Will Not Trip.

1. Check to see that the trip slider (36) moves freely.
2. Apply small amount of grease between the trip motion arm (32) and the gear engagement pawl (33).
3. Check tension on trip friction washer (34). If necessary, replace with new washer.
4. Check for grease or oil on trip slider.
5. Check for broken, loose, or misplaced trip slider return spring (102B, Figure 4). It may have slipped over the stud on the slider.

Changer Repeatedly Trips into Change Cycle.

1. Check tension of gear indexing spring (39).
2. Check for bent trip slider return spring (102B, Figure 4).
3. Check for bent trip slider (36).

Tone Arm Does Not Set-Down Properly.

1. Check set-down adjustment. See "Set-Down Adjustment" on page 13.
2. Check to see that size and speed selector knob (26) has locked into position.
3. Check for broken, weak, or missing control plate return spring (108).

Tone Arm Skips Across Records.

1. Check to see that the cabinet is level.
2. Check for worn needle.
3. Check height adjustment.

Changer Causes Rumble or Noise.

1. BE SURE that the shipping screws (72) on each side of changer pan have been removed.
2. Check for any mechanical rub near the 3-speed motor.
3. Check for broken float spring (74).

Records Do Not Push Off or More Than One Record Drops to the Turntable.

1. See "Adjusting Distance Between Record Support and Centerpost" on page 14.
2. Check for broken, missing, or weak push-off return spring (78). The push-off plate (60) may not be returning correctly.
3. Check to see that the push-off assembly is properly locked into position.
4. Check to see that no foreign material is between record support (64) and push-off plate (60).

Changer Trips Into Change Cycle Before Finishing Record.

1. Check for foreign material between trip motion arm (32) and engagement pawl (33).
2. Check for bent trip slider return spring (102B, Figure 4).
3. Check for bent trip slider (36).

Changer Stalls in Change Cycle.

1. Idler wheel (48) rubber tire may have foreign material on it. Try cleaning it with carbon tetrachloride solution.
2. Motor drive belts (43) may be slipping. If necessary, replace with new belts.
3. Be sure push-off assembly locks in position.