

MECHANICAL PARTS LIST (Continued)

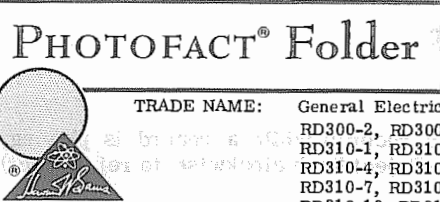
Ref. No.	DESCRIPTION	MODELS														26	26	26
		RD300-2	RD300-3	RD300-4	RD310-1	RD310-2	RD310-3	RD310-4	RD310-5	RD310-6	RD310-7	RD310-8	RD310-9	RD310-10	RD310-11			
5	Chrome Speed Control Knob																	
59	Tone Arm	6	6	6	7	7	7	7	7	7	7	7	7	7	7	9	9	9
60	Height Adjust Screw	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11
61	Counterweight															12	12	12
62	Tone Arm Mounting Ass'y	13	13	13	14	14	14	14	14	14	14	14	14	14	14			
63	Pivot Screw															16	16	16
64	Pivot Pin	38	38	38	38	38	38	38	38	38	38	38	38	38	38	17	17	17
65	Index Cover	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19
66	Turntable	20	20	20	20	20	20	21	21	20	20	20	20	20	20	20	21	21
67	On-Off-Reject Knob	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	25	25
68	Rest Post	27	27	27	28	28	28	28	28	28	28	28	28	28	28	29	29	29
69	Turntable Mat	30	30	30	31	31	31	30	30	30	30	31	31	30	31	31	31	31
70	Motor	32	32	33	33	33	33	35	34	35	36	33	33	35	33	35	34	34
71	Automatic Spindle	40	40	40	40	40	40	40	40	40	40	40	40	40	41	41	41	41
72	Tone Arm Bracket Ass'y	42	42	42	43	43	43	43	43	43	43	43	43	43	44	44	44	44
73	Anti-Skate Spring	45	45	45	46	46	46	46	46	46	46	46	46	46	47	47	47	47
74	Record Support Arm Bumper	48	48	48	49	49	49	49	49	49	49	49	49	49	50	50	50	50
75	Tone Arm Box Spring															39	39	39
76	Tone Arm Spring Clip															15	15	15
77	Record Support Arm	2	1	1	3	3	3	3	3	3	3	3	3	3	3	4	4	4
	Stylus Pressure Spring	51	51	51	52	52	52	52	52	52	52	52	52	52	52			
	Stylus Pressure Adjust Clip	53	53	53														

PART NUMBER CHART

KEY	CONSOLE	PORTABLE	KEY	CONSOLE	PORTABLE	KEY	CONSOLE	PORTABLE	KEY	CONSOLE	PORTABLE
(1)		EA1061	(15)	EA80X180	RS6542	(28)	EA80X201	RS6602	(41)	EA80X243	EA1058
(2)	EA80X222	EA1031	(16)	EA80X173	RS6535	(29)	EA80X248	EA1062	(42)		EA1256
(3)	EA80X46	EA1061	(17)	EA80X178	RS6540	(30)	EA80X228	EA1038	(43)	EA80X184	EA1256
(4)	EA80X246	EA1061	(18)		EA1364	(31)	EA80X257	EA1084	(44)	EA80X159	RS6520
(5)	EA80X247	EA1368	(19)	EA80X265	EA1365	(32)		EA1363	(45)		RS6522
(6)	EA80X237	EA1067	(20)	EA80X220	EA1029	(33)	EA80X153	RS6297	(46)	EA80X161	RS6522
(7)	EA80X237	EA1048	(21)	EA80X233	EA1045	(34)	EA80X60	RS6063	(47)	EA80X43	RS6048
(8)	EA80X266	EA1366	(22)	EA80X258	EA1369	(35)	EA80X264	EA1042	(48)	EA80X160	RS6521
(9)	EA80X254	EA1367	(23)	EA80X223	EA1032	(36)		EA1363	(49)	EA80X35	RS6040
(10)	EA80X146	RS6166	(24)	EA80X239	EA1049	(37)	EA80X207		(50)	EA80X160	RS6521
(11)	EA80X172	RS6534	(25)	EA80X249	EA1370	(38)	EA80X101	RS6105	(51)	EA80X104	RS6108
(12)	EA80X245	EA1060	(26)	EA80X250	EA1371	(39)	EA80X179	RS6541	(52)	EA80X147	RS6167
(13)	EA80X140	RS6161	(27)		EA1068	(40)	EA80X22	RS6027	(53)	EA80X112	RS6116
(14)	EA80X255	EA1065									

SET 926 FOLDER 7

GENERAL ELECTRIC
MODELS RD300/310/325 Series



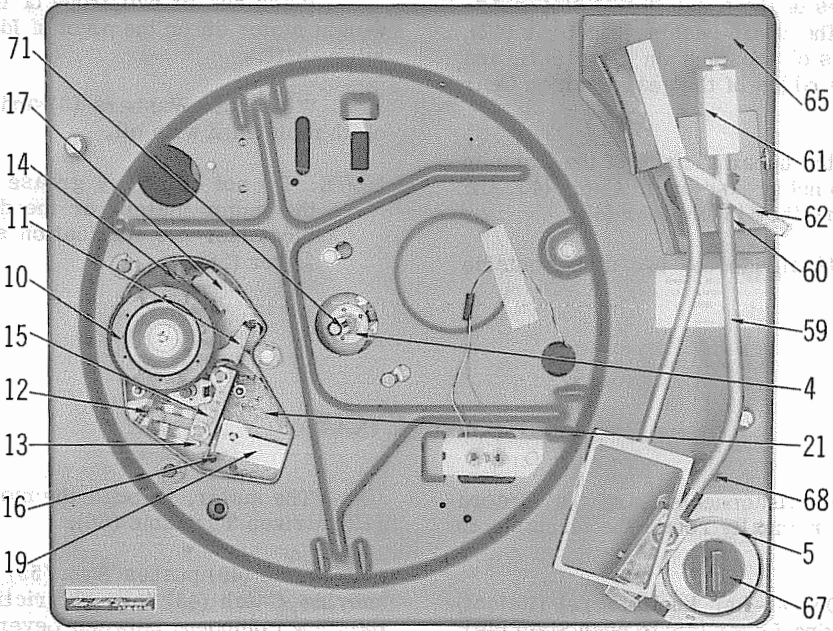
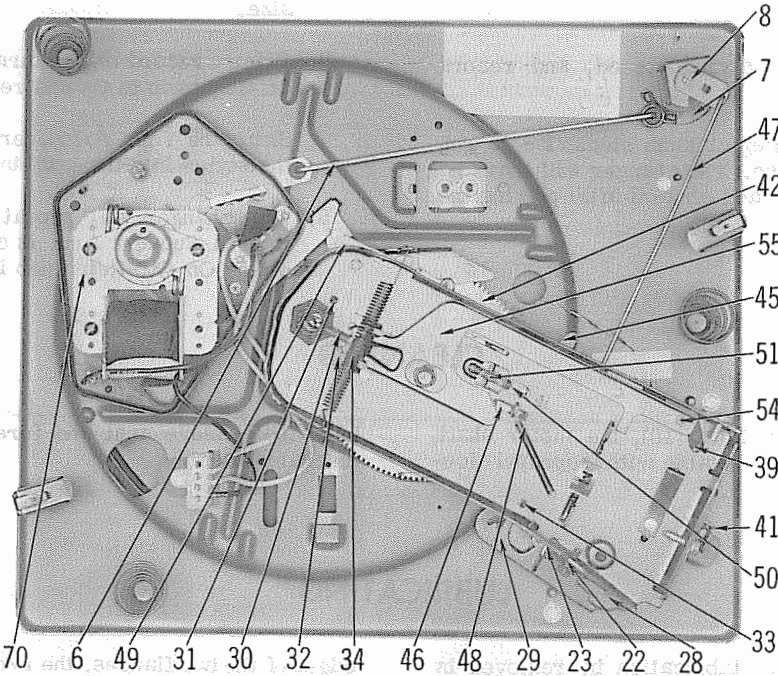
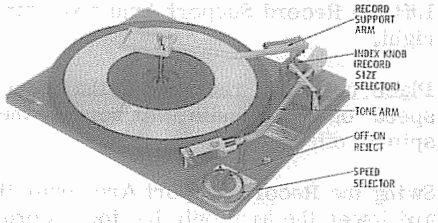
TRADE NAME: General Electric MODELS
RD300-2, RD300-3, RD300-4,
RD310-1, RD310-2, RD310-3,
RD310-4, RD310-5, RD310-6,
RD310-7, RD310-8, RD310-9,
RD310-10, RD310-11, RD325-1,
RD325-2, RD325-3, RD325-4,
RD325-5, RD325-6, RD325-7

SUPPLIER: For Current Address, See Annual Index

TYPE SET: 4-Speed, Automatic Record Changer

POWER SUPPLY: 110 — 120 Volts AC, 60 Cycles

GENERAL ELECTRIC
MODELS RD300/310/325 Series



GENERAL ELECTRIC
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SET 926 FOLDER 7



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. C911

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OPERATING INSTRUCTIONS

Loading

1. Lift the Record Support Arm and swing it to the right.
2. Place up to six records of the same size and speed on the spindle, supporting them on the spindle offset shelf.
3. Swing the Record Support Arm over the spindle and lower the arm onto the top record.

Starting

1. Select the desired stylus, speed, and record size.
2. Turn the Off-On-Reject knob clockwise to rej. (Reject) and release. The changer will play and change each record and shut off after playing the last record.

Rejecting

To change records while a record is playing, turn the On-Off-Reject knob clockwise to rej (Reject) and release.

Manual Operation

1. Lift the Record Support Arm and swing it to the right.
2. Select the desired stylus, speed, and record size.
3. Place a record on the turntable and turn the On-Off-Rej knob to On and release.
4. Swing the Tone Arm over the record and lower the stylus into the lead-in groove.
5. The changer will repeat the record until the Record Support Arm is centered and lowered, or the On-Off-Rej. knob is turned to Off.

CLEANING

Periodically clean Idler (10), the motor shaft, and the inner rim of the turntable with isopropyl alcohol, and remove dust and foreign matter from the mechanism.

LUBRICATING

Should the original lubrication be removed by disassembly of the unit or wear become apparent, sparingly apply a light grease to the sliding surfaces of Cam (19), the edges of the speed detent slot in Assembly (21), inside the shaft bushing for Gear (42), the camming surfaces of the pins on Gear (42), and the ramps and bottom edges of the gear teeth on Gear (42).

NOTE: Grease only the upper surface of the ramp in Catch (43). Do not grease or oil Catch (43) and Lever (44) where they touch Gear (42).

Grease Slide (41) inside the two slots, outside

edges of the two flanges, the two supporting edges, and the top of the ramp.

Place one or two drops of household oil or #10 weight motor oil on the pivot of Idler Arm (11) and the idler shaft.

Wipe both Washers (3) and Bearing (4) with a cloth moistened with oil.

NOTE: Do not allow any grease or oil on Idler (10), the motor pulley, or the drive surface of the turntable. No lubrication should be applied to Lever (56).

CHANGE CYCLE

With the power disconnected and the Record Support Arm raised, manually rotate the turntable to observe the cycle.

Turning the On-Off-Rej knob to rej (Reject) pushes Rod (47), moving Lever (45) to push Slide (49), pulled by Spring (31), sliding Bar (17), pulled by Spring (14), clear of Lever (24), pulled by Spring (34).

Bar (17) closes the motor switch and releases Arm (11), pulled by Spring (12), to move Idler (10).

The motor, through the motor pulley and Idler (10), drives Turntable (66).

Slide (49) pushes Arm (55) to pivot Lever (44), moving Catch (43) through friction supplied by the damping compound between Lever (44) and Catch (43).

The raised section of the rotating turntable hub strikes Catch (43), rotating Gear (42) enough to engage Turntable (66).

MECHANICAL PARTS LIST

NOTE: Replacement Parts used in all Models.

Replacements given for Console Models with Replacements for Portables in Parenthesis.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	EA80X227 (EA1037)	Record Support Arm Screw	30	EA80X51 (RS6056)	Spindle Spring
2	EA80X225 (EA1034)	Index Knob	31	EA80X52 (RS6057)	Switch Release Slide Spring
3	EA80X108 (RS6112)	Thrust Washer	32	EA80X24 (RS6029)	Spindle Actuator
4	EA80X110 (RS6114)	Thrust Bearing	33	EA80X50 (RS6055)	Index Finger Spring
5	EA80X224 (EA1033)	Speed Control Knob	34	EA80X219 (EA1028)	Shut-Off Lever Spring
6	EA80X114 (RS6118)	Speed Control Rod	35	EA80X54 (RS6059)	Index Ratchet Spring
7	EA80X89 (RS6094)	Speed Control Crank	36	EA80X45 (RS6050)	Tone Arm Bracket Spring
8	EA80X221 (EA1030)	Crank Assembly	37	EA80X198 (RS6587)	Pivot Pin
9	EA80X115 (RS6119)	Motor Grommet	38	EA80X32 (RS6037)	Anti Skate Bushing
10*	EA80X61 (RS6065)	* Idler Wheel	39	EA80X25 (RS6030)	Velocity Trip Actuator
11	EA80X59 (RS6062)	Idler Arm	40	EA80X47 (RS6052)	Safety Spring
12	EA80X53 (RS6058)	Idler Arm Spring	41	EA80X217 (RS6729)	Main Slide
13	EA80X73 (RS6077)	Adjusting Screw (Idler Height)	42	EA80X9 (RS6014)	Gear Assembly
14	EA80X69 (RS6073)	Shut-Off Spring	43	EA80X21 (RS6026)	Velocity Trip Catch
15	EA80X62 (RS6066)	Intermediate Link	44	EA80X20 (RS6025)	Velocity Trip Lever
16	EA80X70 (RS6074)	Idler Link Spring	45	EA80X23 (RS6028)	Control Lever
17	EA80X64 (RS6068)	Shut-Off Bar	46	EA80X5 (RS6010)	Control Slide Assembly
18	EA80X66 (RS6070)	Switch Overtravel Spring	47	EA80X30 (RS6035)	On-Off-Reject Rod
19	EA80X65 (RS6069)	Speed Control Cam	48	EA80X53 (RS6058)	Control Slide Spring
20	EA80X67 (RS6071)	Detent Spring	49	EA80X134 (RS6155)	Switch Release Slide
21	EA80X57 (RS9850)	Motor Plate Assembly	50	EA80X19 (RS6024)	Control Return Lever
22	EA80X156 (RS6431)	Index Wire	51	EA80X269 (EA1373)	Control Return Lever Spring
23	EA80X48 (RS6053)	Pawl Stop Spring	52	EA80X42 (RS6047)	Anti-Skate Spring (Not used in Models RD310-1, RD310-2)
24	EA80X218 (EA1027)	Shut-Off Lever	53	EA80X33 (RS6038)	Velocity Trip Arm Eyelet
25	EA80X151 (RS6283)	Tone Arm Bracket and Ratchet Assembly	54	EA80X231 (EA1041)	Velocity Trip Arm Spring
26	EA80X16 (RS6021)	Anti-Skate Ratchet	55	EA80X197 (RS6586)	Velocity Trip Arm Assembly
27	EA80X133 (RS6154)	Record Support Arm Shaft Assembly	56		Quadrant Lever
28	EA80X7 (RS6012)	Index Pawl Assembly	57		Quadrant Lever Spring
29	EA80X17 (RS6022)	Pawl Stop	58		Index Knob Spring

* Idler Wheel — WALSCO Part No. 1499-35

ADJUSTMENTS (Continued)

Idler Height — All Models

Adjust Screw (13) to center Idler (10) on all steps of the motor pulley.

Tone Arm Vertical Pivot — Models RD300 and RD310 Series

Loosen the pivot pin clamping screw in Bracket (72) under the tone arm. Place a .0025-inch feeler gauge between pointed end of Pin (64) and the hook in

Assembly (62). Snug Pin (64) against the feeler and tighten the clamping screw.

Tone Arm Vertical Pivot — Models RD325 Series

Loosen the pivot pin clamping screw in Bracket (72) under the tone arm. Place a .0025-inch feeler gauge between the shoulder of Pin (64) and the tone arm base. Snug Pin (64) against the feeler and tighten the clamping screw.

TROUBLE CHART

SYMPTOM	REMARKS
Turntable does not rotate when unit is turned on.	1. Idler (10) dirty or worn. 2. Spring (12) loose or weak. 3. Motor or switch defective.
Wow/Flutter.	1. Idler (10), turntable rim, or motor pulley dirty, irregularly worn, or bent. 2. Bearing (4) binding. 3. Idler (10) binding. 4. Motor defective.
Stylus does not track.	1. Stylus worn. 2. Stylus pressure incorrect. 3. Cartridge leads binding. 4. Wrong stylus selected. 5. Changer not level. 6. Pivot Pin (64) allowed excessive play.
Changer shuts off prematurely.	1. Lever (56) binding. 2. Slide (46) binding. 3. Spring (48) loose
Does not cycle at end of record.	1. Turntable hub worn. 2. Trip Arm (55) binding. 3. Lever (44) slipping on Catch (43). (Oil or no damping compound between them).
Records do not drop.	1. Spring (30) loose. 2. Actuator (32) or pin on Gear (42) worn. 3. Spindle (71) defective.
Unit does not shut off automatically.	1. Shaft (27) binding. 2. Slide (46) bent or worn. 3. Switch defective.
On-Off-Rej knob does not function.	1. Rod (47) loose. 2. Lever (45) or Spring (51) loose.

The detent pin on Gear (42) releases Lever (24), pulled by Spring (34), which resets Catch (43) through Lever (44).

The main slide pin on Gear (42) moves Slide (41), allowing Bracket (25), pushed by Spring (36) and pulled by Spring (35), to pull the rear of the tone arm base assembly down, raising the tone arm.

Slide (41) pulls Spring (40), pivoting Bracket (72) to swing the tone arm to the right. Slide (41) also releases Stop (29), pulled by Spring (23).

As the tone arm reaches its outermost position, Bracket (25) detents in a notch in Assembly (62).

An actuator pin on Gear (42) slides Actuator (32), pivoting the center lever in Spindle (71), pulled by Spring (30), to drop the next record.

Gear (42) reverses Slide (41) to release Spring (40), allowing Bracket (25), pulled by Spring (35), to pivot Bracket (72), swinging the tone arm over the record. A step on Bracket (25) contacts Pawl (28) to hold the tone arm over the first grooves of the selected size record.

Slide (41) lifts Bracket (25) to release Mounting (62), lowering the tone arm.

A pin on Gear (42) resets Arm (55), then pivots and detents in Lever (24), pulled by Spring (34).

Automatic Tripping

As the tone arm swings in, following the record grooves, Bracket (72) moves Actuator (39) to push Eyelet (53), sliding Arm (55) which pivots Lever (44).

Stylus Pressure — Models RD300 and RD310 Series

NOTE: Adjust to pressure suggested by manufacturer of cartridge used.

Hook the stylus pressure spring, located under the rear section of the tone arm, into the hole in the stylus pressure adjust clip that produces the desired pressure.

Stylus Pressure — Models RD325 Series

Turn the knurled knob on the rear of Counterweight (61).

Setdown — Models RD300 and RD310 Series

The setdown adjustment screw is located under the rear of the tone arm on the side of Assembly (62) next to the Record Support Arm. Adjust this screw until the stylus lowers into the first groove of the recording.

Setdown — Models RD325 Series

The setdown adjustment is the knurled screw on the right side of the tone arm base. Adjust to lower the stylus into the first groove of the recording.

Lever (44) pivots Catch (43) toward the turntable hub, but the raised section of the turntable hub sets Catch (43) back until Catch (43) is moved close enough to the hub to be struck solidly by the raised section of the hub, initiating the cycle.

Automatic Shutoff (Same as the change cycle with the following exceptions)

As the last record drops, Shaft (27) pivots Lever (56), pushed by Spring (57), latching Stop (29).

As the tone arm swings over the rest post, Stop (29), pulled by Spring (23), causes Pawl (28) to engage the last step on Bracket (25).

Bracket (25) braces Slide (46), pulled by Spring (48), in position for a ramp on Gear (42) to raise Gear (42) enough for a pin on Gear (42) to pivot Lever (24), pulled by Spring (34). Lever (24) engages Bar (17), pulled by Spring (14), and slides Bar (17) which opens the motor switch and pivots Arm (11), pulled by Spring (12), to raise Idler (10) from the turntable rim.

Manual Shutoff

Turning the On-Off-Rej knob to Off pivots Lever (45) to slide and catch Slide (46), pulled by Spring (48). Lever (45) also slides Arm (55) to initiate the cycling. Slide (46), latched in a notch in the lower plate, raises Gear (42) as described in "Automatic Shutoff".

Size Selector

Turning the Size Selector positions Wire (22), pulled by Spring (33), to block Stop (29), pulled by Spring (23), which positions Pawl (28) to block the proper step on Bracket (25).

ADJUSTMENTS

Height — Models RD300 and RD310 Series

The height adjustment screw is located under the rear of the tone arm, on top of Assembly (62). Adjust the height so the stylus clears a stack of six records on the turntable without dragging the bottom of the records on the spindle shelf.

Height — Model 325 Series

The height adjustment screw is located on the tone arm base under the tone arm. Adjust the height so the stylus clears a stack of six records on the turntable without dragging the bottom of the records on the spindle shelf.

Trip Actuator — All Models

With the power disconnected, the Record Support Arm raised, and the Record Size Selector at 7, turn the On-Off-Rej. knob to Reject and release. Rotate the turntable by hand until the stylus just touches the record. At this point, Actuator (39) should just touch Eyelet (53), with the eyelet at its rearmost point. Actuator (39) can be adjusted while holding the Tone Arm.

