



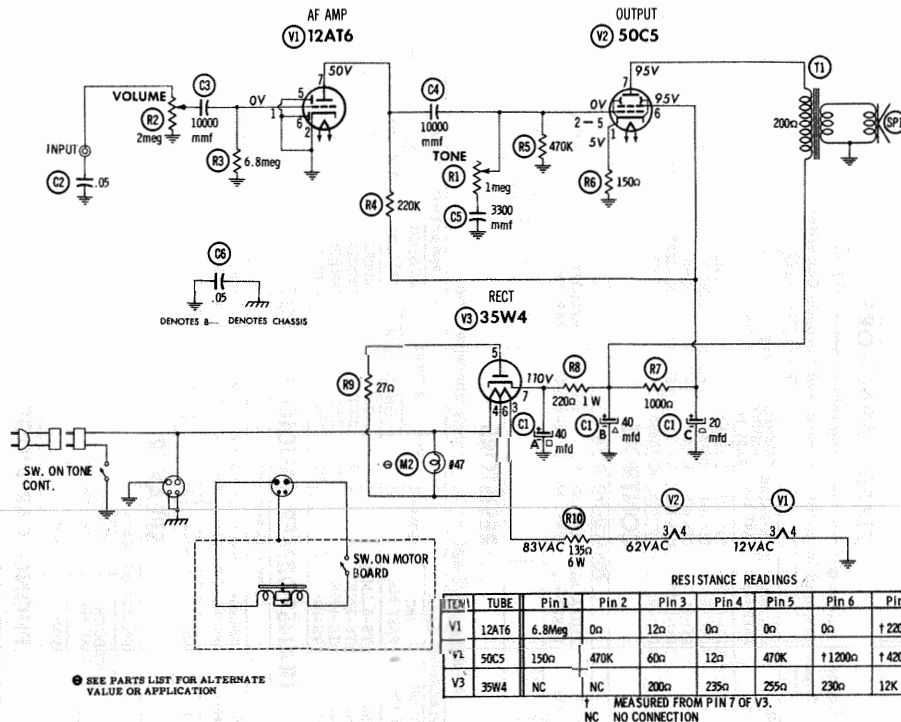
WEBCOR
MODEL 1653



WEBCOR
MODEL 1653

TRADE NAME	Webcor Model 1653
MANUFACTURER	Webcor Inc., 5610 Bloomingdale Ave., Chicago 39, Ill.
TYPE SET	AC Operated Phono Amplifier With 3 Speed Automatic Record Changer
TUBES (Three)	Types 12AT6 AF Amplifier, 50C5 Output, 35W4 Rectifier
POWER SUPPLY	110-120 Volts AC - 60 Cycles
RATING	.22 Amp. @ 117 Volts AC

FOR SERVICE INFORMATION ON RECORD CHANGER - SEE WEBCOR 141 - PHOTOFACT SET 321 FOLDER 13.



A PHOTOFACT STANDARD NOTATION SCHEMATIC
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PARTS LIST AND DESCRIPTIONS TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	AF Amplifier	12AT6	
V2	Output	50C5	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP.	VOLT.	REPLACEMENT DATA			
			WEBCOR PART No.	AEROVOX PART No.	CORNELL-DUBIER PART No.	SPRAGUE PART No.
C1A	40	150	302243	AFH3-43-50		
C1B	40	150				
C1C	20	150				

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING CAP.	VOLT.	REPLACEMENT DATA				NOTES
			WEBCOR PART No.	AEROVOX PART No.	CORNELL-DUBIER PART No.	SPRAGUE PART No.	
C2	.05	400	302255	BPD-05	DF-503	4TM-S5	
C3	10000		302256	BPD-01	COB485	5HK-SI	
C4	10000		302254	BPD-01	DD-103	5HK-SI	
C5	3500		302253	BPD-0033	DD-332	5HK-SI	
C6	.05	400	302255	BPD-05	DF-503	4TM-S5	

CONTROLS

ITEM No.	RATING RESIST.	WATTS	REPLACEMENT DATA				INSTALLATION NOTES
			WEBCOR PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	
R1	1Meg		31P102				Tone & Switch
R2	2Meg		31P101				Volume

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING OHMS	WATT	REPLACEMENT DATA				NOTES
			WEBCOR PART No.	IRC PART No.	NOTES	REPLACEMENT DATA	
R3	6.8Meg		2866852	BTS-6.8Meg			
R4	220K		2862242	BTS-220K			
R5	470K		2864742	BTS-470K			
R6	1500		29M1512	BTS-150			

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		WEBCOR PART No.	Halldorson PART No.	Meritt PART No.	Stancor PART No.	
T1	2600Ω 3-4Ω	67P047-4	Z1001	A-2928	A-3876	S-1X

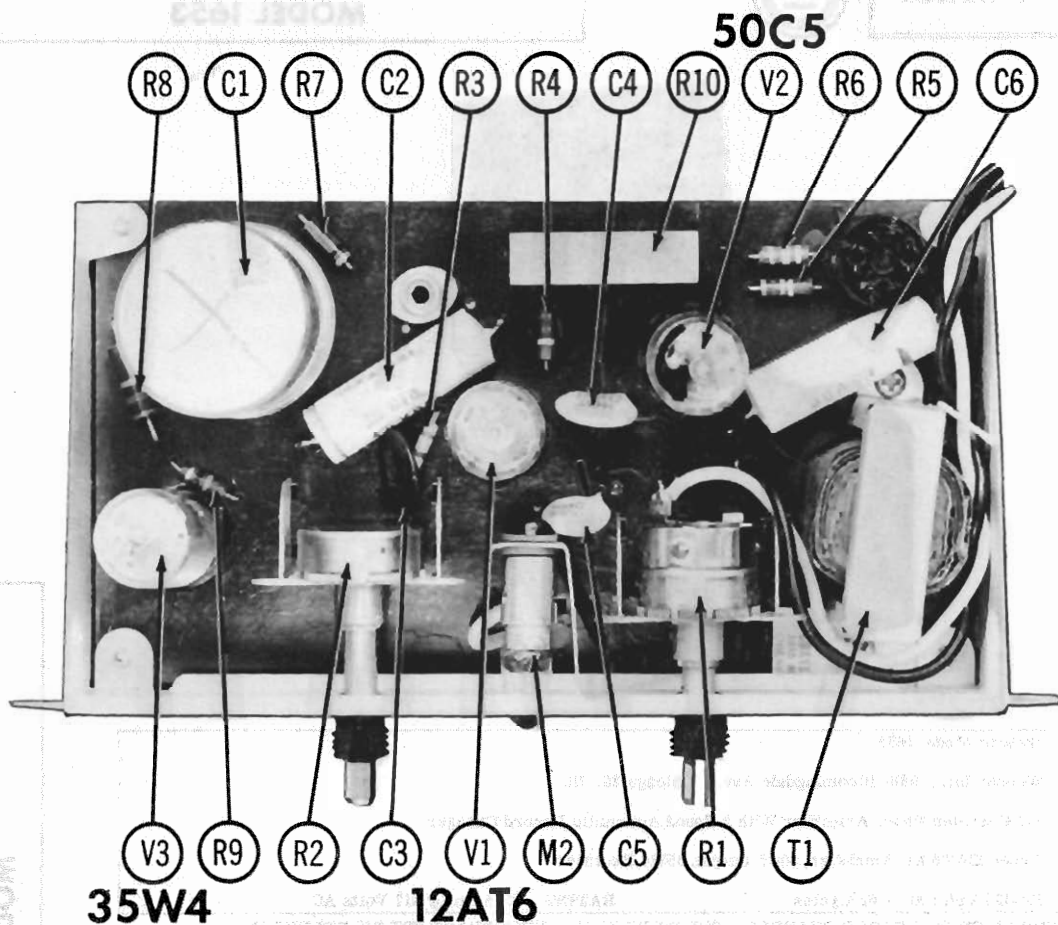
SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA				NOTES
		WEBCOR PART No.	QUAM PART No.	5A07		
SPL	5" PM	76P011				

PHONO CARTRIDGE

ITEM No.	WEBCOR PART No.	REPLACEMENT DATA				REMARKS
		ASTATIC CARTRIDGE	ELECTRO-VOICE CARTRIDGE	PART No.	NOTES	
M1			76	*PT-1		* Not required unless original mounting is damaged.

CHASSIS—TOP VIEW



MISCELLANEOUS

ITEM No.	PART NAME	WEBCOR PART No.	NOTES
M2	Pilot Light Case Case Knob Knob Handle Handle	80X131-1 80X131-2 39P142-1LS 39P142-2LS 39P049-3 39P049-4	#47 (Not used in all versions.) Russet & Beige. Green & Beige. Volume. On-Off-Tone. Russet Green



**WEBCOR
MODELS 140, 141**



**WEBCOR
MODELS 140, 141**

GENERAL INFORMATION

Webcor Record Changer Models 140 and 141 are designed to play and automatically change a 1 inch stack of 7", 10", or 12" records, which (providing they are of the same speed and same type of groove) may be intermixed in any order.

Turntable Speed-----33 1/3, 45, or 78 R. P. M.

Record Capacity-----1 inch stack of 7", 10" or 12" records.

A single control knob is used to select the desired turntable speeds, initiate a change cycle, and disengage the idler wheel while the unit is not in use to prevent the formation of flat spots on the idler surface. The center spindle incorporates a safety pawl which prevents records from dropping to the turntable while the tone arm is in playing position.

Models 140 and 141 were designed to operate on 105 to 120 volts, 60 cycle A. C. only. A special 50 cycle adaptor kit is available to permit operation from a 50 cycle line.

MANUFACTURED by:

**WEBCOR
5610 BLOOMINGDALE AVE.
CHICAGO 39, ILLINOIS**

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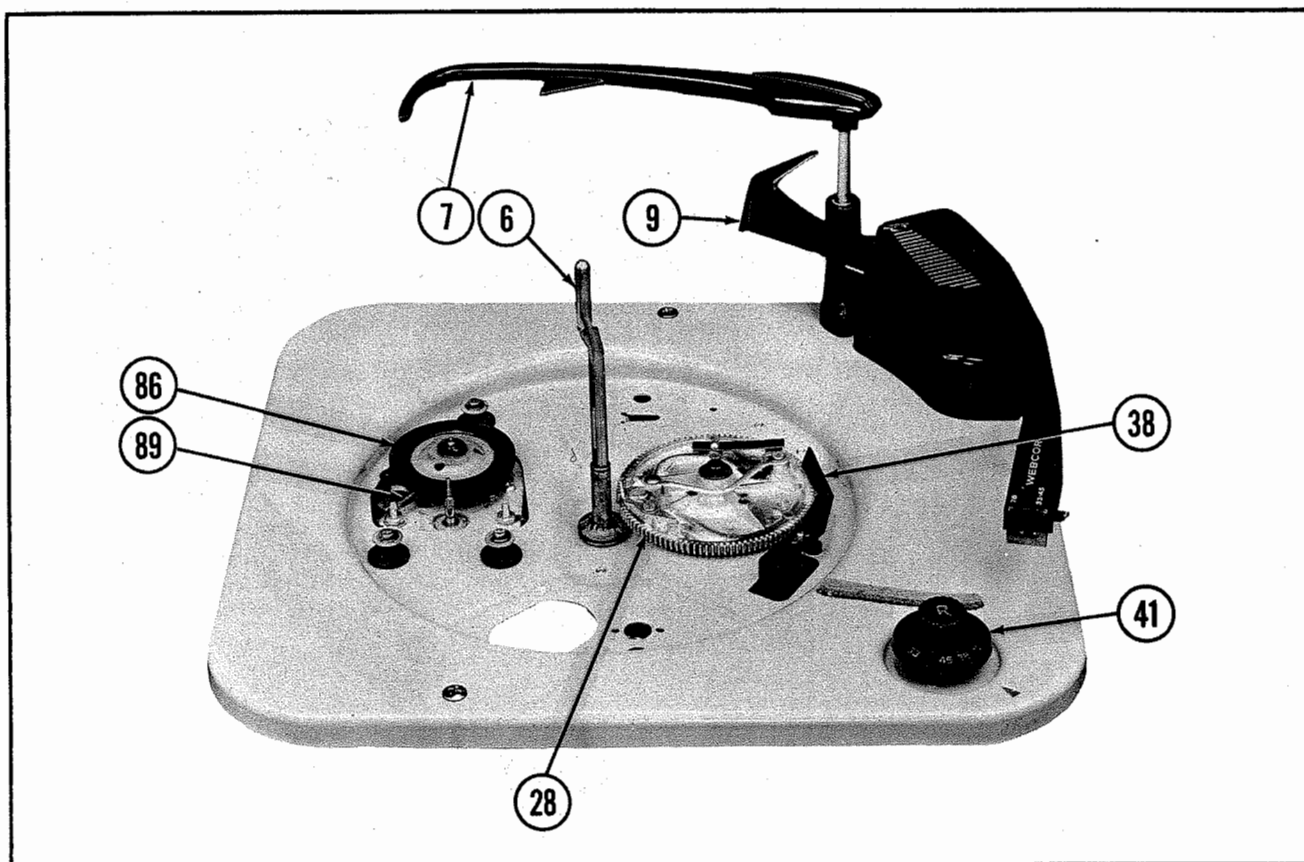


Figure 1

PREPARING FOR OPERATION

Before placing in operation, the changer must be floating freely on its mounting springs. During shipment, the unit is secured by means of two shipping screws (one screw at the front and rear edge of the baseplate). Carefully remove cardboards which protect unit during shipment. Turn the two shipping screws in a clockwise direction until they are flush with the baseplate. The changer is now free-floating and ready to operate.

OPERATING INSTRUCTIONS

1. Release the tone arm from the tone arm rest.
2. Raise the front of the tone arm and remove the needle guard.
3. Lift record overarm and turn away from spindle until it locks in open position.
4. Place up to a 1" stack of records on the spindle. 7", 10", and 12" records may be intermixed so long as they are of the same speed.
5. While holding the records in place with one hand, swing record overarm toward spindle and lower it over the records.
6. Turn needle selector on tone arm to correct position for 33-45, or 78 rpm.
7. Turn the speed control to the speed which corresponds to the type records to be played, 33, 45, or 78 rpm.

8. Depress the combination speed and reject control. Each record in the stack will play and be automatically changed until the last record is played, at which time, the tone arm returns to its rest position and the changer automatically shuts off.

9. To remove records, lift record overarm and swing away from spindle until it locks in open position. Using both hands, with fingers under the edge of bottom record, lift records straight up and off spindle.

NOTE: When the changer is not in use, be sure the selector knob is in its neutral (N) position.

CHANGE CYCLE

Speed Change Mechanism-

The changer mechanism is driven by the motor (83) which transmits power to the turntable by means of idler wheel (86). Turntable speed is determined by the position of idler wheel (86) on one of the three "steps" of the motor shaft. When the reject knob (41) is turned to the "33" position, the idler wheel contacts the smallest diameter portion of the motor shaft. As the knob is rotated to the "45" or "78" positions, the motor shaft is raised so that the wheel is contacted by increasingly larger drive shaft diameters and will, consequently, turn at faster speeds.

Starting The Motor And Change Cycle-

Line voltage is applied to the motor through the plunger-operated microswitch (51). When the plunger is depressed, the switch is open, and the motor is not

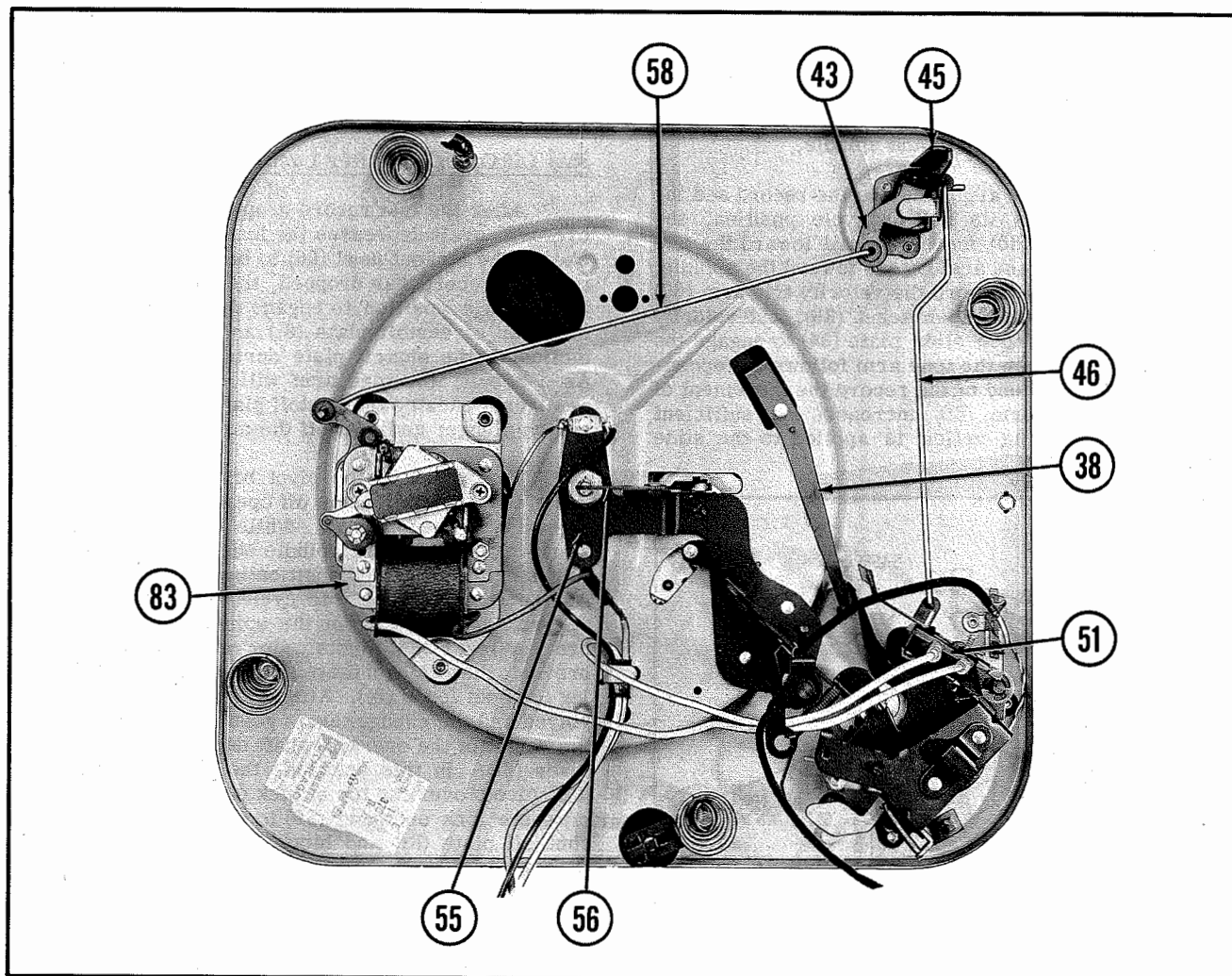


Figure 2

energized. When the plunger is released, the motor is energized and the turntable will be driven by idler wheel (86).

When the reject knob (41) is depressed, the reject rod (46) moves the microswitch (51) from under the shutoff plate (61). This releases the switch plunger and closes the a-c circuit which energizes the motor and starts the turntable rotating.

Simultaneously, the flexible metal bar on switch bracket (50) contacts and applies pressure to the portion of trip bracket (38) which extends below the baseplate. This action causes the portion of trip bracket (38) which extends above the baseplate to contact and move the slide plate (34) in toward the spindle. This, in turn, causes the projection on the hub of the turntable to contact the front edge of slide plate (34). Since the turntable is rotating, the contact between the front edge of slide plate (34) and turntable hub projection gives the necessary push for the teeth in main gear (28) to engage the teeth in the turntable hub, thus causing main gear (28) to rotate.

As main gear (28) starts its rotation, the stud on the end of raising lever (67) engages an eccentric groove in the underside of main cam (28). The motion imparted to the raising lever (67) by the eccentric groove causes the rear end of raising lever (67) to pivot upward and contact the lift plate (64). In turn,

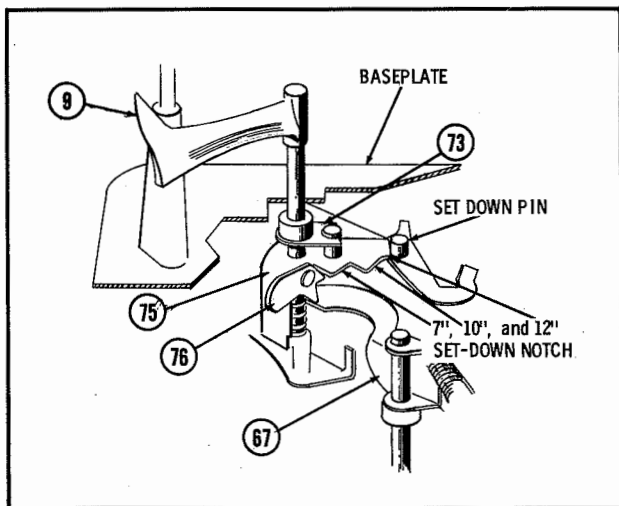
the lift plate friction pad (63) lifts the shutoff plate (61), which raises the tone arm off its rest. As the shutoff plate (61) is raised, it clears the microswitch plunger and permits the microswitch and switch bracket (50) to be returned to their original position by action of torsion spring (49).

As the shutoff plate (61) raises, the bottom tooth on the bottom of record selector bracket pawl (76) engages a hook on the raising lever (67), so that pawl (76) and record size bracket (75) will follow the motion of raising lever (67).

At this time, the eccentric groove in the bottom of main cam (28) causes the rear end of raising lever (67) to pivot. As a result, stop plate (61) and record size bracket (75) are simultaneously rotated counter-clockwise. During this rotation, the set down pin (located on top of the shutoff plate) swings clear of the record size bracket (75) and the shutoff plate (61) follows the rotation of the raising lever (67). The record size bracket (75) follows along with the shutoff plate (61) until the bracket stop ear (75A) hits the tone arm bracket (47). Consequently, the raising lever (67) moves out from under the record selector pawl (76) and the record size bracket (75) is permitted to drop. This brings the notched plate, located on the top of record size bracket (75), directly in line with the set down pin which is located on top of shutoff plate (61). As a result, the inward swing of the tone

arm (toward the spindle) is stopped at the point where the set down pin contacts the notched plate. The exact position of the tone arm set down depends upon the particular record size bracket notch (75) engaged by the set down pin. This, in turn, is determined by the size of the bottom record on the spindle.

After the tone arm lands on the record and the mechanism reaches its out of cycle position, the velocity trip arm (60) moves inward toward the trip bracket (38) as the tone arm tracks toward the spindle. Near the end of the record the velocity trip arm (60) actually contacts the trip bracket (38), but velocity is insufficient to cause slide plate (34) to engage the turntable gear. When the tone arm follows the eccentric groove at the end of the record the movement of the velocity trip arm (60) increases and sufficient velocity for tripping action is applied to the slide plate (34).



Record Size Selection-

As the record size bracket (75) rotates at the beginning of the change cycle, the pin on top of bracket (75) rides within the fork of the semaphore link (73) and causes semaphore (9) to swing toward the spindle. When pawl (76) disengages from raising lever (67), the record size bracket (75) drops so that its 7 inch set down notch is in position to block the set down pin which is located on top of shutoff plate (61). When the tone arm has reached its farthest outward travel, the bottom record will be pushed off the spindle shelf. If the record has a 7 inch diameter, it will clear the semaphore (9) as it drops to the turntable, and the position of record size bracket (75) will not be changed. If, however, a 10 or 12 inch record drops off the spindle, it will hit against one of the sloping sides of the semaphore (9) and push it back toward its original position. A 10 inch record will push the semaphore back approximately half way, while a 12 inch record will push it back to its starting place. This motion is transmitted to the record size bracket (75) and positions it to block the tone arm for the 10 or 12 inch set down point.

Record Push Off Mechanism-

The record push-off mechanism consists of a pre-assembled spindle (6) and a spindle lever and roller (55). The roller rides on the cam surface on the bottom of the main cam (28). As the main cam rotates, the roller is depressed, causing the opposite end of the spindle lever to force the spindle mechanism

upward. When the spindle mechanism has reached its maximum upward position, the bottom record of the stack is pushed off the spindle and drops to the turntable.

Shut Off Operation After Last Record Is Played-

After the last record drops to the turntable, the overarm shaft depresses the lockout lever (81). This causes the lockout pawl (80) to be lowered until, after the last record has dropped, the bottom edge of pawl (80) is in a position to engage with the protrusion on the rear of shutoff plate (61) and prevent any inward motion of the shutoff plate during the change cycle. As a result, the tone arm will set down on the tone arm rest, causing the shutoff plate (61) to depress the switch plunger and shut off the motor.

The action of the pivot bracket lever (69) prevents the automatic shut off operation before the last record has been played. While the last record of a stack is resting on the spindle shelf, the lock out lever (81) is held in a raised position by tension spring (82). As the changer goes into cycle, but before the last record is pushed from the spindle shelf, the pivot bracket lever (69) pivots under the lock out lever and prevents the weight of the overarm shaft from depressing lock out lever (81). After the last record has been played and the changer again goes into a change cycle, the weight of the overarm shaft depresses the lock out lever (81). In this position, the pivot bracket lever (69) pivots over the top of lock out lever (81) and permits the lock out pawl (80) to engage with the ear on shut off plate (61) and block the inward movement of the tone arm.

ADJUSTMENTS

Tone Arm Shaft Assembly Adjustment-

The entire operation of the changer mechanism depends, to a large degree, upon the correct assembly of the tone arm shaft parts. Improper adjustment of these parts will indicate false symptoms elsewhere in the changer (i.e. height adjustment, indexing adjustment, etc.) when actually the troubles are caused by incorrect adjustment of the tone arm shaft and its associated parts.

Of the various parts assembled on the tone arm shaft (26), only the stop plate (61) is actually fastened to the shaft, with a #8 Bristol screw (62). As a result, any up and down or lateral movement of the stop plate is transferred to the tone arm. All other parts fit the tone arm shaft loosely and are permitted to rotate freely about the shaft.

The position and height at which the stop plate (61) is fastened to the tone arm shaft is of the utmost importance. Improper positioning of this assembly could result in no motor shutoff, incorrect tone arm set down, tone arm slide on record, no tone arm set-down on rest, continuous cycling, or any combination of these.

To simplify the correct positioning of stop plate (61), a small indentation has been drilled into the tone arm shaft. It is imperative that the set screw of the stop plate engages this indentation and is securely tightened. With the stop plate so positioned, the occurrence of any symptoms described above would be due to other causes.

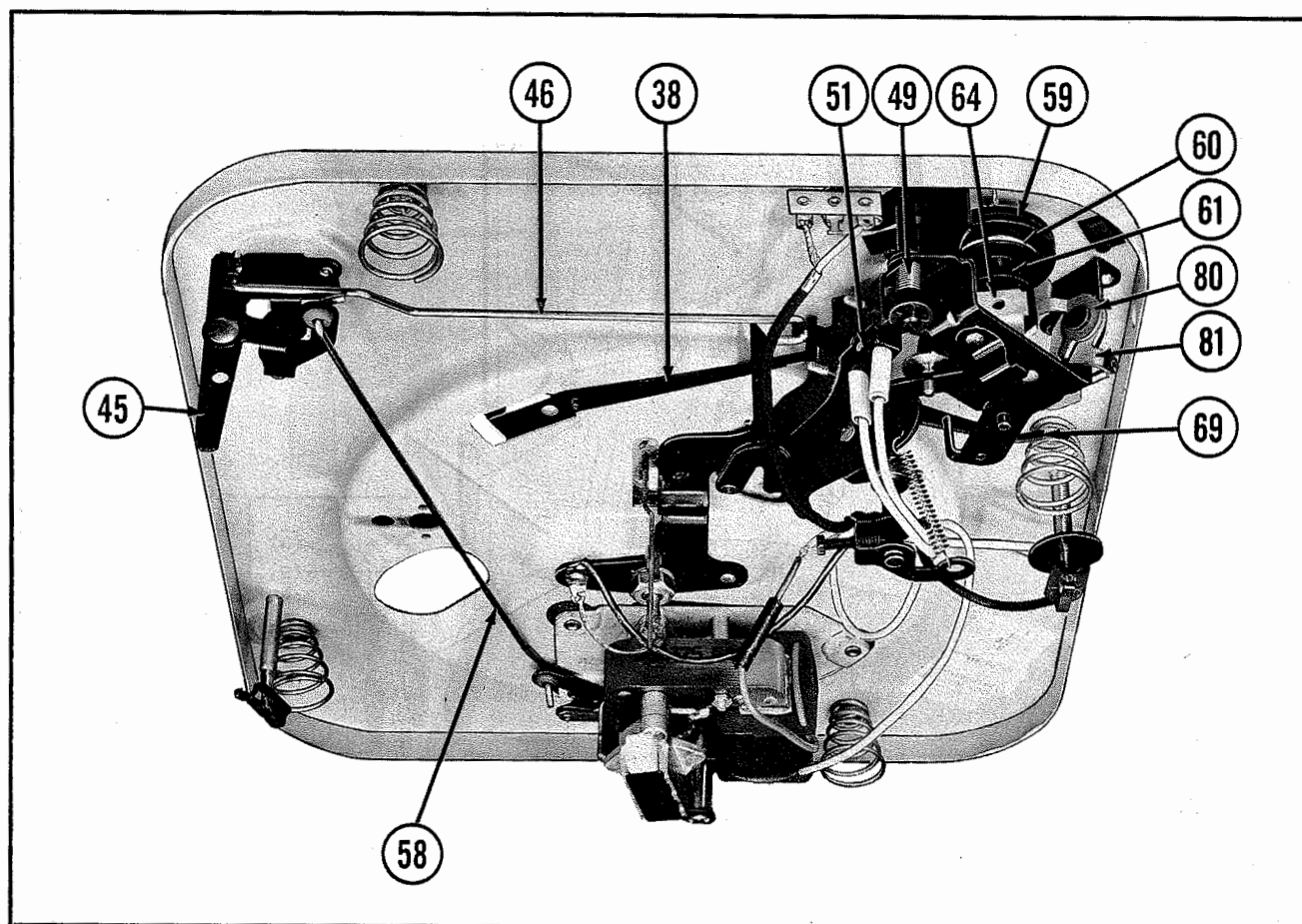


Figure 3

Tone Arm Set-Down Adjustment-

Tone arm set-down adjustment is required if indexing is correct (tone arm sets down in approximately the correct position for the record being played) but the needle does not land in the lead-in groove of the record. Adjustment is made by means of the set-down adjusting screw (20) which is located in the tone arm hinge assembly. Adjust as follows:

1. With reject knob in "N" position, place a 7-inch record or the turntable and depress the reject knob.
2. Rotate the turntable by hand and observe the needle landing point.
3. If needle tends to set down outside of record, turn adjusting screw (20) counterclockwise to move tone arm towards spindle. If needle sets down too far in on record, turn screw (20) clockwise until the correct set-down point is obtained.

Tone Arm Height Adjustment-

The tone arm height must be adjusted so that, at its maximum height during the change cycle, the needle will just clear a 1-inch stack of records resting on the turntable. Adjustment is made as follows:

1. Place reject knob in "N" position and load a 1-inch stack of records on the turntable.
2. Depress reject knob and rotate turntable by hand, to start change cycle.

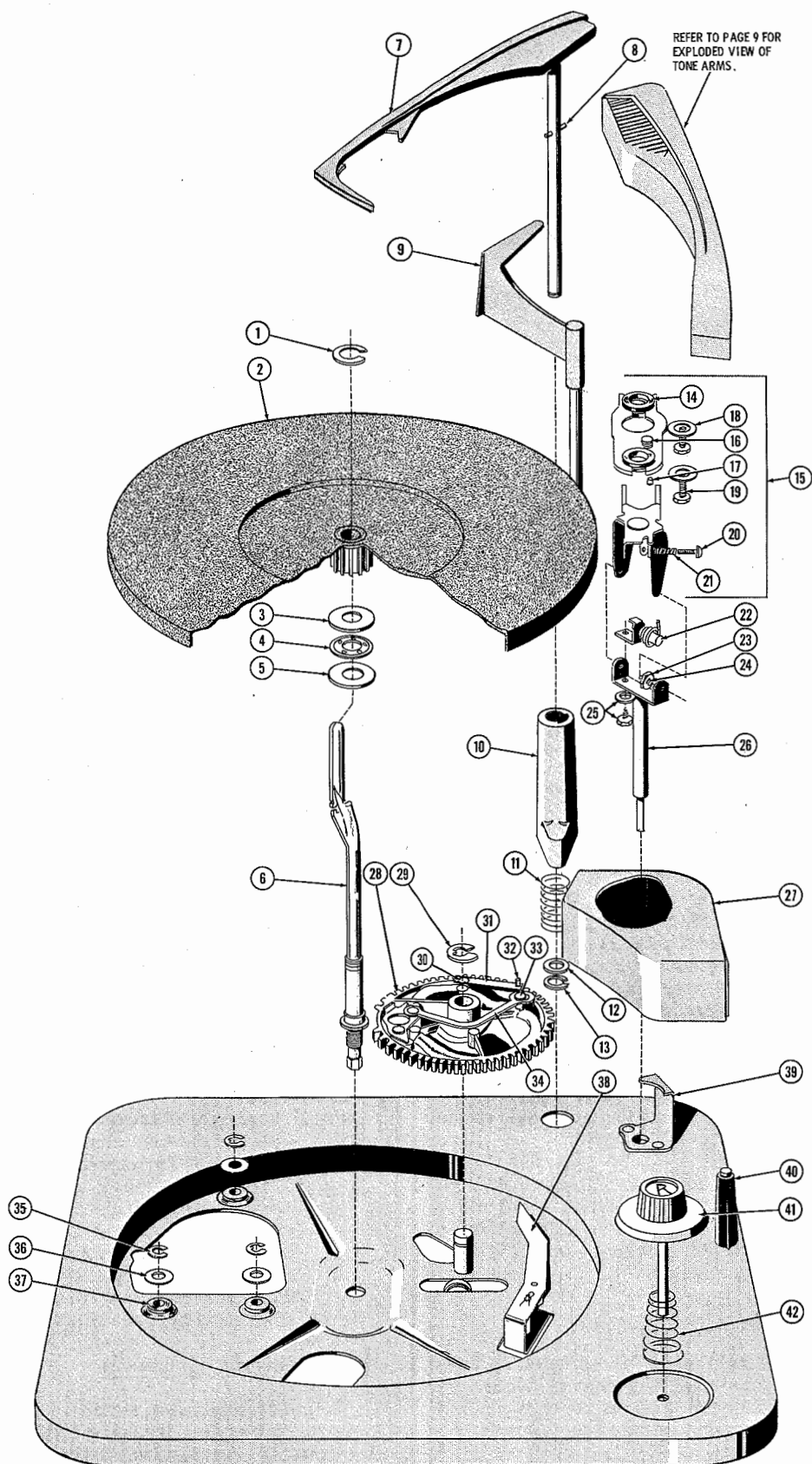
3. If the tone arm is too low it will hit the outside rim of the record stack as it swings toward the spindle. If this occurs, insert a small screwdriver through the hole in the top rear portion of the tone arm and turn the height adjusting screw (16) in a clockwise direction. (Never turn the adjusting screw more than 2 turns clockwise or glide troubles may result).

4. If tone arm clears record stack by more than 1/8 inch, turn screw (16) counterclockwise to lower the arm.

NOTE: The above adjustment will have only a limited effect on the tone arm height. It can not compensate for an improperly adjusted stop plate (61), as described under "Tone Arm Shaft Assembly Adjustment". If the height adjustment does not have sufficient effect, check the tone arm assembly. If this is found to be correct, loosen set screw (70) in collar (71) and slide collar up or down on raising lever shaft until correct adjustment is obtained.

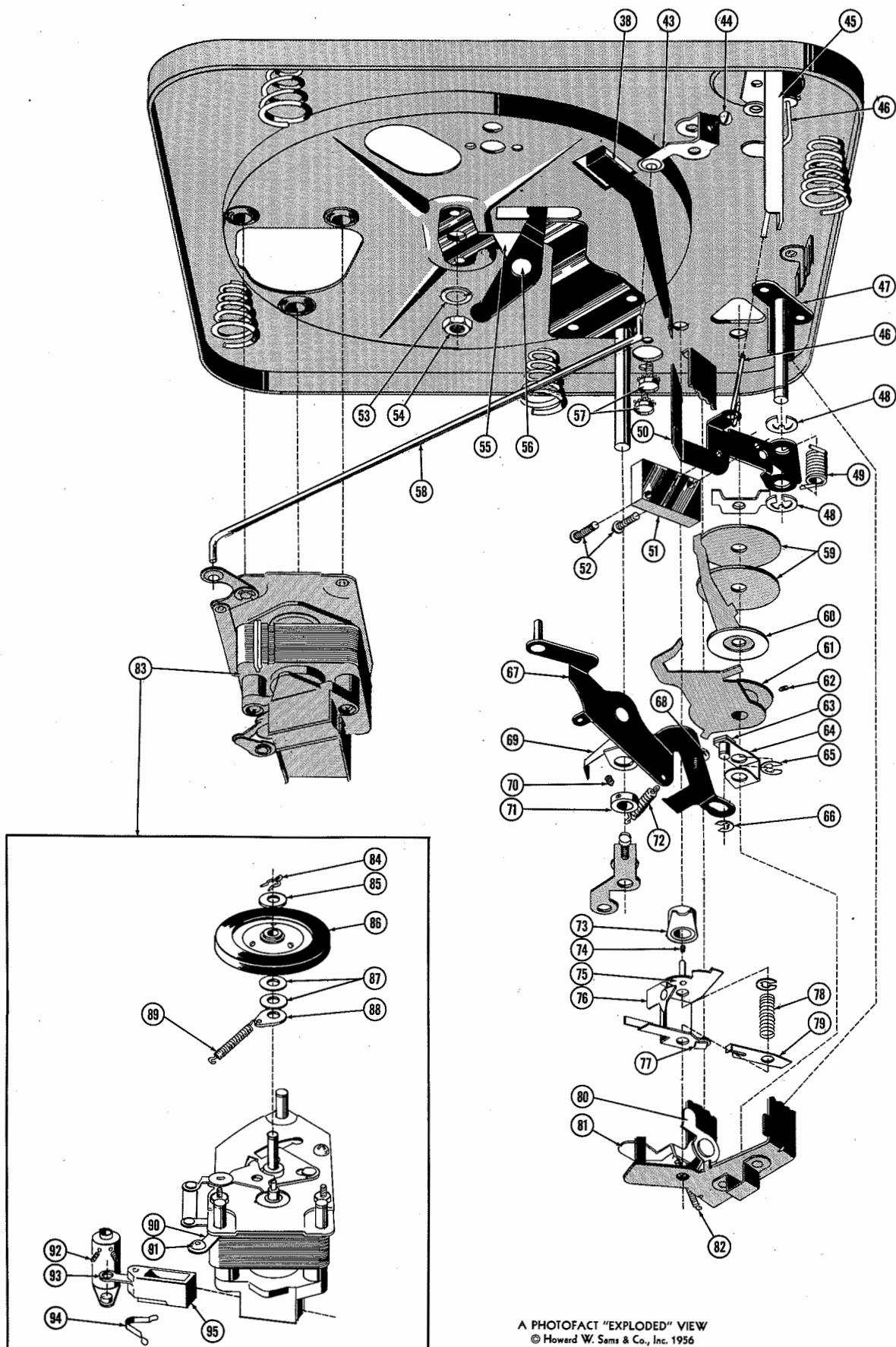
Stylus Pressure Adjustment-

Unless otherwise stated by the cartridge manufacturer, the stylus pressure should be between 8 and 11 grams for best results. Stylus pressure is adjusted by rotating the tone arm counterbalance stud (22). The stud can be rotated by inserting a small steel rod in the stud hole. Rotate the stud upward to decrease stylus pressure, or downward to increase stylus pressure.



A PHOTOFAC "EXPLODED" VIEW
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Figure 4A. Exploded View of Parts Above Baseplate.



A PHOTOFACT "EXPLODED" VIEW
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Figure 4B. Exploded View of Parts Below Baseplate.

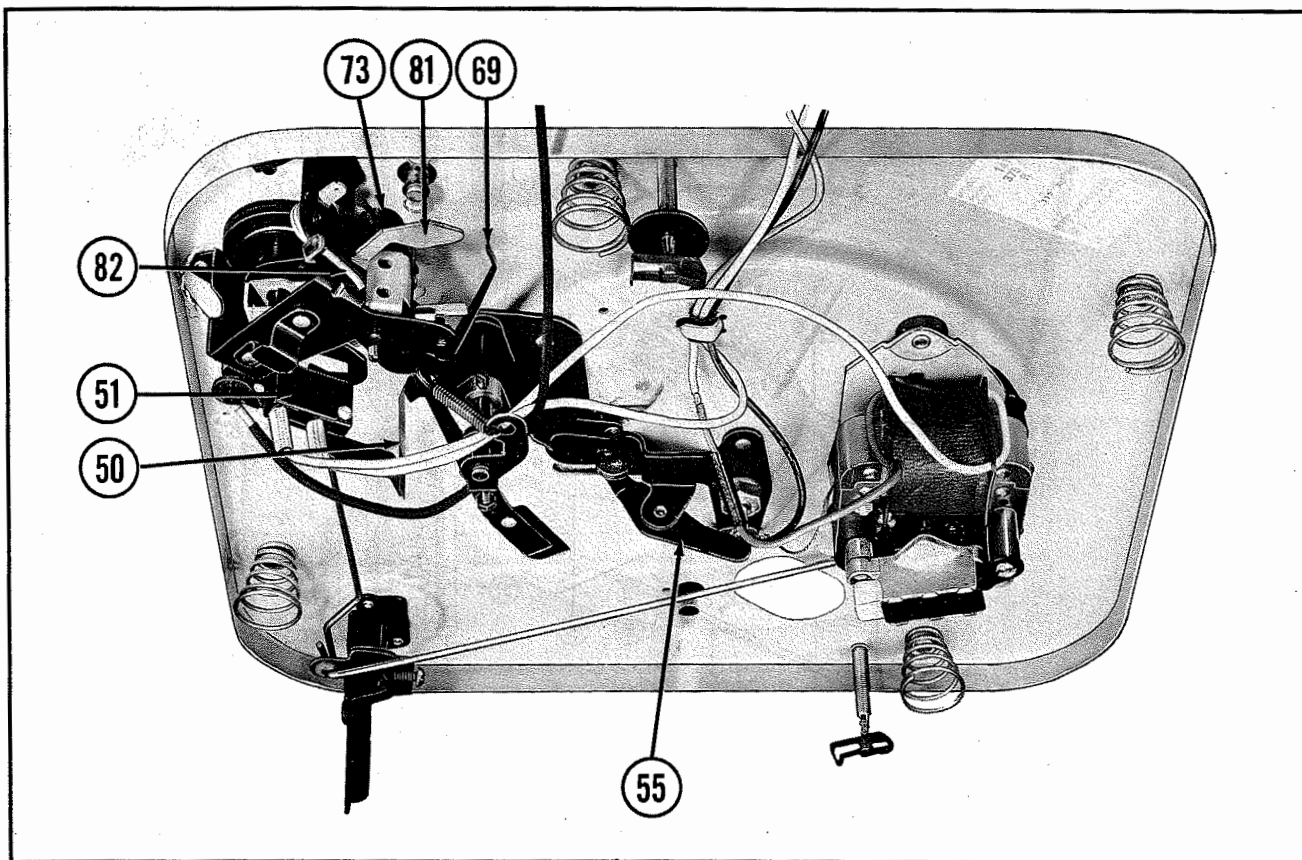


Figure 5

Semaphore Adjustment-

Adjustment of the semaphore (9) is required if it becomes necessary to replace the semaphore, if the semaphore link (73) has loosened during operation, or if erratic or improper indexing occurs. Adjustment involves positioning of the semaphore link (73) on the shaft so that proper semaphore action is possible.

The link (73) is fastened to the semaphore shaft by means of set screw (74) which is accessible from the back of the changer. Correct adjustment procedure is as follows:

1. Loosen set screw (74) and permit link (73) to drop until it rides on top of record size bracket (75).
2. With semaphore (9) held firmly against the overarm housing (10), rotate record size bracket (75) clockwise as far as possible.
3. Lift semaphore link (73) until it is raised to within 1/64 inch of the underside of the main plate, and tighten set screw (74) securely so that link is fastened to semaphore shaft.

Velocity Trip Adjustment-

Improper adjustment of the velocity trip mechanism may result in failure of the automatic or reject trip levers to initiate the change cycle, or could cause continuous cycling. To check this adjustment, or correct faulty adjustment, proceed as follows:

With tone arm on it's rest, remove turntable and move slide plate (34) away from spindle as far as possible. Rotate trip bracket (38) until its bottom portion

contacts the reject trip lever (50). In this position, the clearance between the top portion of trip bracket (38) and the slide plate lever (34) should be approximately 1/8 inch. If spacing is incorrect, bend the flexible portion of switch bracket (50) until proper clearance is obtained. Check trip bracket (38) to make sure that it does not rub against the main cam or baseplate.

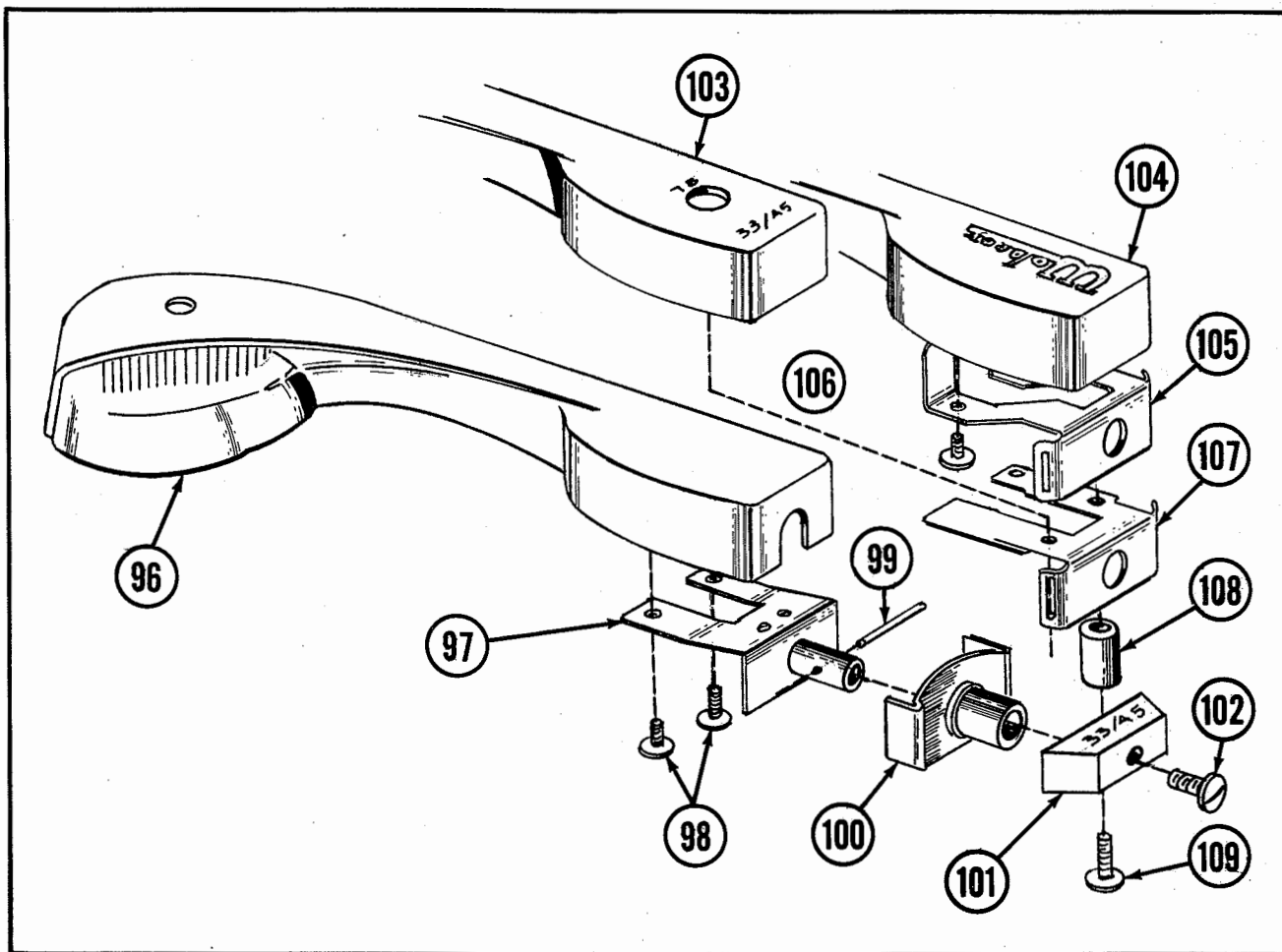
LUBRICATION

All Webcor changes are completely lubricated before leaving the factory. Under normal conditions, this should be sufficient for approximately one year or 1000 hours of operation. However, when operated under extreme conditions of dust or heat the mechanism should be lubricated more often.

CAUTION: When lubricating the changer, do not permit oil or grease to come in contact with the idler wheel, motor drive shaft, turntable rim, slide plate lever (34), tone arm lockout lever (81), or lift plate friction pad (63). Any oil or grease on these parts will prevent proper operation and should be removed with alcohol.

The following parts should be lubricated with a light machine oil, using a small oil can or a medicine dropper:

1. Motor bearings (1 drop).
2. Main cam bearings (1 drop).
3. Overarm shaft (1 drop).



4. Turntable bearing race (1 drop).

The following part should be lubricated with a non-fluid high temperature lubricant. Lubricant may be applied with a small brush.

1. Main cam eccentric groove.

TROUBLES AND PROBABLE REMEDIES

No Sound Output From Changer-

Disconnect leads from cartridge lugs and check output directly at cartridge. If output is normal, trouble is in the wiring and can be located by checking continuity with an ohmmeter. If there is no output from cartridge, check to see that stylus is correctly installed and is riding in record grooves. If this is normal, replace the cartridge.

Sound Is Distorted-

Check stylus pressure with an accurate gauge. If pressure is normal (between 8 and 11 grams) replace stylus. If output is still distorted, replace cartridge.

Motor Starts But Turntable Does Not Rotate-

Remove turntable to expose idler wheel assembly (86). Turn reject knob to "78" position and check position of idler wheel. Wheel should be pressing against motor drive shaft. If it does not, check tension of

spring (89). If spring is tight, check idler wheel bracket for binding in the idler slot or rivet. Depress reject knob to start motor. Idler wheel should rotate freely. If it does not, remove wheel from its shaft and clean shaft and wheel bushing.

Motor Does Not Start When Reject Knob Is Depressed-

Manually lift tone arm from tone arm rest and swing it towards spindle. If motor does not start, observe switch action as reject knob is depressed. If switch is not pushed out from under stop plate (61), so that plunger is released, check tone arm assembly as described under "Tone Arm Shaft Assembly Adjustment".

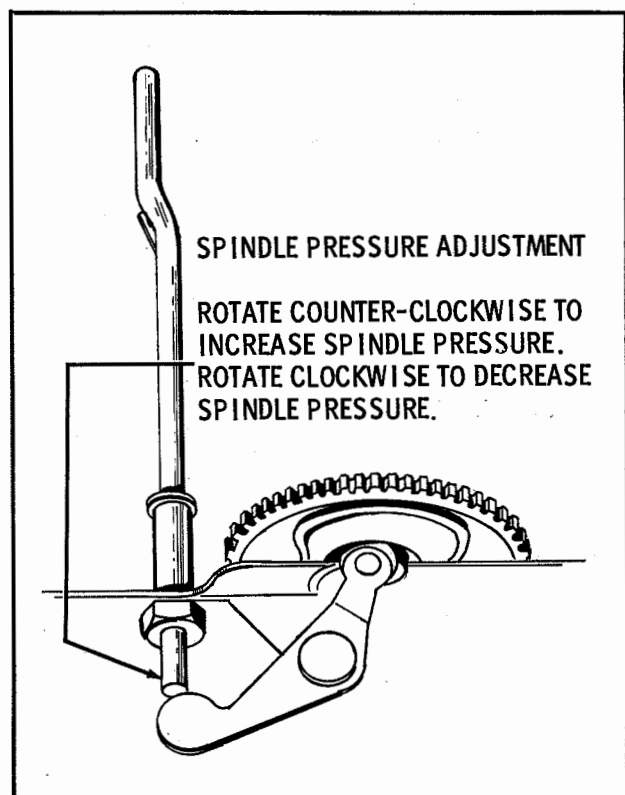
Change Cycle Does Not Start When Reject Knob Is Depressed-

Turn reject knob to "78" position. Check raising lever (67) to see that its guide pin is engaged in the eccentric groove in the bottom of main cam (28). Remove turntable and move slide plate (34) on main cam to make sure that it moves freely.

Depress reject knob and observe action of trip bracket (38) and slide plate (34). The trip bracket should push the slide lever toward spindle and maintain pressure on slide lever so that it can not move back on its own accord. If this condition does not exist, check to see that trip bracket (38) is not binding on the baseplate. Check trip adjustment as described under "Velocity Trip Adjustment".

Record Drops On Tone Arm As Arm Moves Toward Spindle-

Increase spindle pressure by turning spindle adjusting nut (located on bottom of spindle) counter-clockwise.



Record Drops On Tone Arm As Arm Moves Away From Spindle-

Decrease spindle pressure by turning spindle adjusting nut clockwise.

Improper Or Erratic Tone Arm Set Down-

Check semaphore (9) for nicks or warpage. Replace if necessary. Check semaphore adjustment as described under "Semaphore Adjustment".

Slow Or Erratic Speeds-

Remove any dirt, oil or grease from the idler wheel, motor drive shaft and turntable rim with alcohol. Check idler wheel for a smooth shiny surface. If this condition exists it can cause slippage. If necessary, replace idler wheel.

Check idler wheel position against motor drive shaft. If wheel is tilted so that only the edge is pressing against the drive shaft, the idler wheel stud may be bent, and should be straightened so that entire surface of idler wheel rim contacts the drive shaft.

Place the reject knob in "N" and turn the turntable by hand to see if the turntable turns easily. If not, clean the turntable bearings and re-lubricate.

Rotate the motor shaft by hand to see if the motor bearings bind. If so, lubricate as described under "Lubrication".

If none of the above conditions exist, replace the motor.

Changer Stalls During Cycle-

Check line voltage. Voltage should be no less than 105 volts. Remove turntable and clean idler wheel and inner turntable rim with alcohol. If idler wheel has a worn surface, it should be replaced. Rotate main cam (28), by hand, in a clockwise direction. If cam will not rotate completely without undue force being applied, check for binding in the mechanism.

Creaking Or Groaning Noise During Change Cycle-

If lift plate friction pad (63) is rough it will cause excessive friction between the pad and stop plate (61). Rub with wax crayon that portion of stop plate (61) which comes into contact with pad (63). Smooth operation will result after following this procedure.

With Records On Spindle, Tone Arm Sets Down On Rest-

Replace defective or missing lockout tension spring (83). If lockout lever (81) does not pivot about its rivet, clean with alcohol. If changer still does not operate satisfactorily, check the tone arm assembly as described under "Tone Arm Shaft Assembly Adjustment".

PARTS LIST

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	50P348	Turntable Clip	56	27P102	Rivet
2	11X1323	Turntable (specify color)	57	26P1031	Screw, Overarm Post Mounting
3	25P624	Bearing Race Washer	58	45P1901	Speed Change Rod
4	11X058	Turntable Bearing Race	59	45P1862	Tone Arm Weight
5	25P269	Bearing Race Washer	60	11X1295	Velocity Trip Arm
6	11X1404	Spindle	61	11X1379	Plate and Set Screw
7	11X1391	Overarm	62	26P695	Set Screw
8	41P1450	Pin, Overarm Mounting	63	28P014	Friction Pad, Lift Plate
9	49P251	Semaphore (specify color)	64	11X1288	Lift Plate and Pad
10	42P368-1	Overarm Housing (specify color)	65	25P447	"C" Clip
11	46P417	Spring	66	25P596	"C" Washer
12	25P648	Washer	67	11X1303	Raising Lever
13	50P244	"C" Clip	69	45P1871	Pivot Bracket
14	25P558	Grommet, Hinge Mounting	70	26P676	Set Screw
15	21X331	Tone Arm Hinge Ass'y. (Includes items 14, 16, 17, 18, 19, 20, and 21)	71	41P557	Collar
16	11X1393	Height Adjusting Screw	72	46P397	Tension Spring
17	25P639	Height Screw Insert	73	11X1376	Link and Screw
18	25P257	Washer, Tone Arm Mounting	74	26P695	Screw
19	26P965	Screw, Tone Arm Mounting	75	11X1304	Record Size Bracket (Includes items 76 and 77)
20	26P1246	Set Down Adjustment Screw	76	45P1887	Pawl Record Selector Bracket
21	46P229	Compression Spring	77	28P014	Friction Pad Lift Plate
22	21X335	Tone Arm Counterbalance	78	46P403	Spring
23	26P1267	Hex. Nut, Pivot Screw Adjustment	79	45P1992	Semaphore Latch
24	26P1267	Pivot Screw	80	45P1872	Lock Out Pawl
25	26P1253	Screw, Tone Arm Shaft	81	45P1875	Lock Out Lever
26	21X359	Tone Arm Shaft	82	46P357	Tension Spring
27	49P228	Tone Arm Housing (specify color)	83	15X201	Motor - complete
28	11X1297	Main Cam	84	50P125	Retainer Clip
29	50P253	"C" Washer	85	25P430	Washer
30	26P1373	Drive Screw Main Cam	86	11X1201	Idler Wheel
31	45P1880	Detent Spring, Main Cam	87	25P430	Washer
32	41P1428	Plunger, Main Cam	88	61P382	Spring Carrier
33	27P320	Shoulder Pin, Main Cam	89	46P382	Tension Spring
34	11X1291	Slide Plate & Lever, Main Cam	90	17X618-1	Cam and Crank
35	25P535	"C" Clip, Motor Mounting	91	25P621	Grommet
36	25P394	Washer, Motor Mounting	92	26P1353	Set Screw
37	25P635	Grommet, Motor Mounting	93	45P1808	Linkage Arm
38	11X1398	Trip Bracket	94	45P1804	Detent Spring
39	45P1429	Lift Stop Bracket	95	49P219	Nylon Cam
40	11X923	Tone Arm Rest, complete	96	42P300-9	Tone Arm
41	49P226	Reject Button (specify color)		11X915	Cartridge Mounting Bracket (Includes Items 97, 98, 99, 100, 101, and 102)
42	46P383	Spring, Reject Button	97	11X912	Cartridge Mounting Bracket
43	11X1375	Selector Link and Grommet	98	26P474	Cartridge Mounting Screws
44	26P1422	Screw	99	27P276	Groove Pin
45	11X1294-1	Reject Bracket	100	11X907	Hub and Mounting Plate
46	45P1902	Reject Rod	101	49P176	Cartridge Knob
47	11X1299	Tone Arm Bracket	102	26P1250	Screw, Cartridge Knob
48	25P574	"C" Washer	103	42P300-2	Tone Arm, G. E.
49	46P392	Torsion Spring	104	42P300-6	Standard Tone Arm - specify color
50	11X1296	Switch Bracket	105	45P1980	Cartridge Mounting Bracket
51	32X104	A.C. Switch	106	26P840	Screw, Standard Cartridge Mtg.
52	26P1420	Screw, Switch Mounting	107	45P1523	G. E. Cartridge Mtg. Bracket
53	25P352	Lockwasher, Spindle Mounting	108	41P1242	Spacer - G. E. Cartridge Mtg.
54	26P1381	Nut, Spindle Mounting	109	26P735	G. E. Cartridge Mtg. Screw
55	11X1285	Spindle Lever and Roller			

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