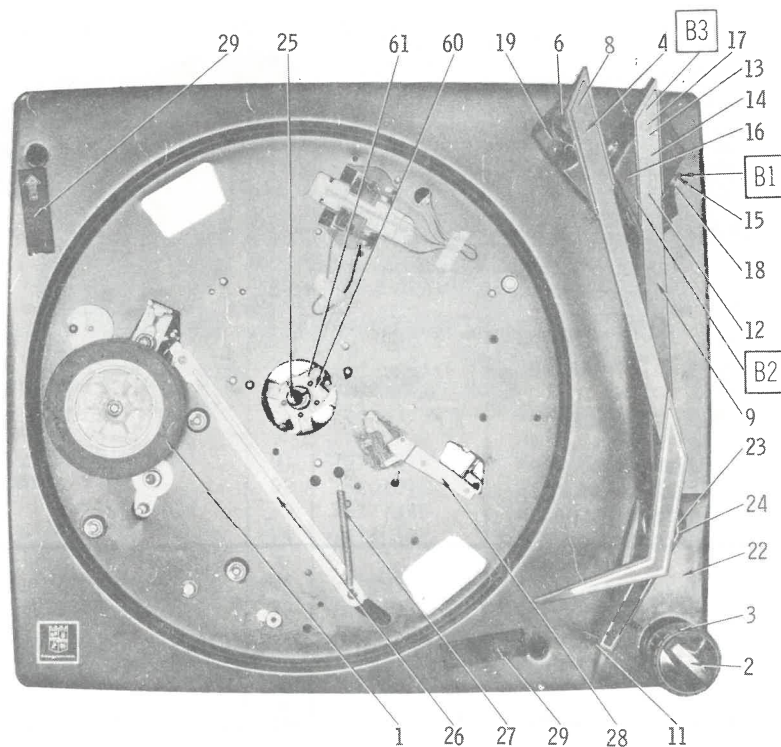
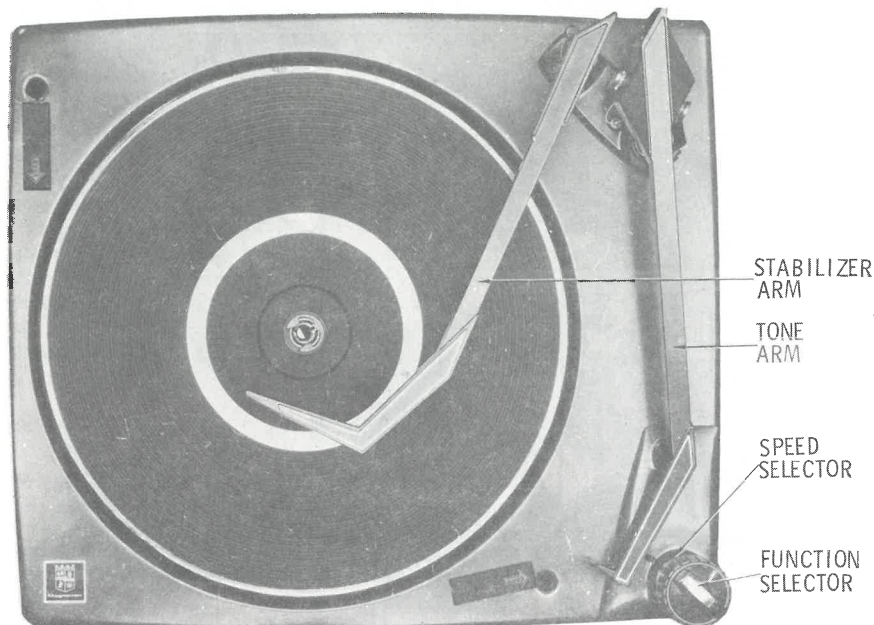


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MAGNAVOX MODELS W701-01-00/
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-01, W701-04-00/-01

For Supplier Address See PHOTOFACT Index

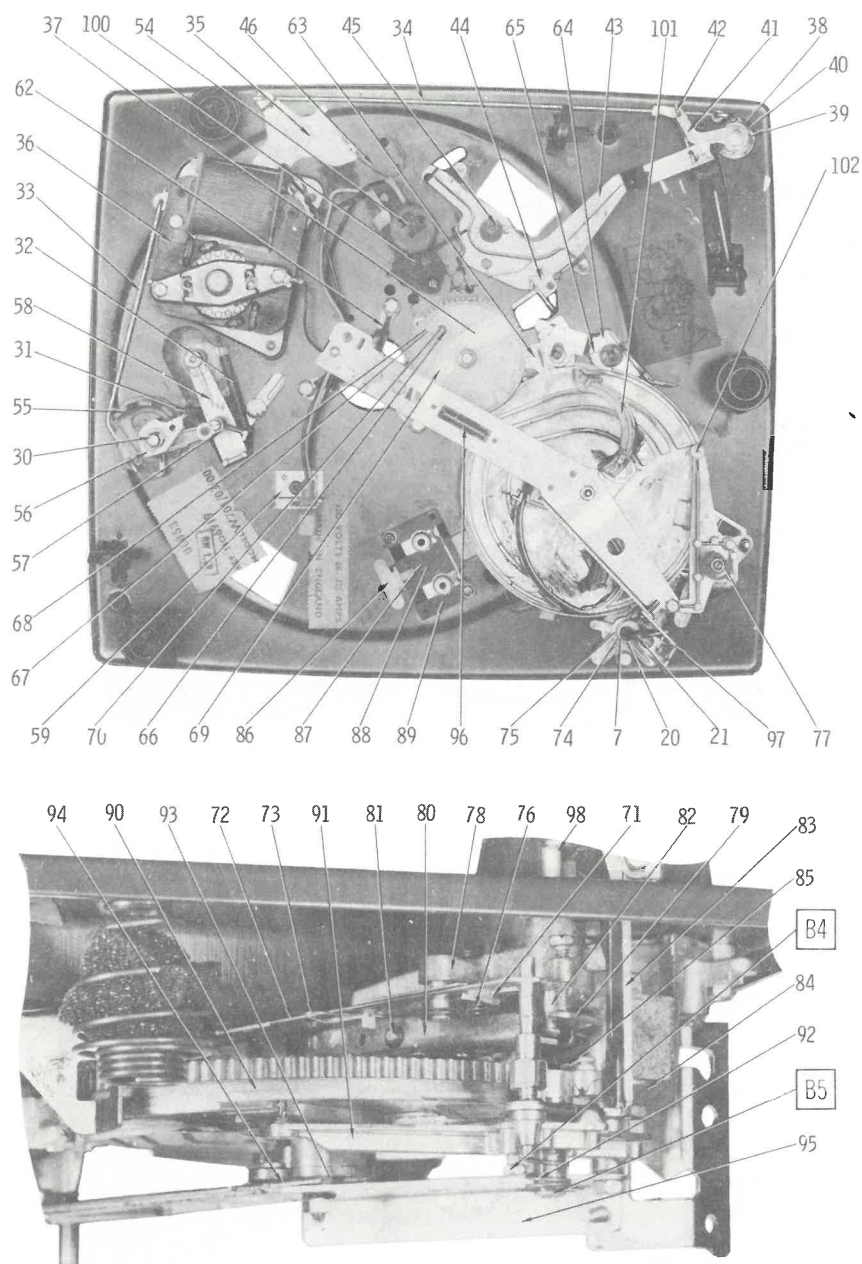
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-01, W701-04-00/-01MAGNAVOX MODELS W701-01-00/
-01, W701-02-00/-01, W701-03-00/
-01, W701-04-00/-01**REMEMBER TO ASK— “What else needs fixing?”****HOWARD W. SAMS & CO., INC.** Indianapolis, Indiana 46206

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. C1218

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DATE 9-70

SET 1122 FOLDER 5



OPERATING INSTRUCTIONS

Loading

Lift Stabilizer Arm straight up and swing it fully to the right.

Place up to six records of the same speed on Spindle (25) and lower them onto the spindle shelf. To insure proper indexing, records of different size must be stacked with the largest size at the bottom.

Hold records level and swing Stabilizer Arm inward and lower it onto the record stack.

Starting

Set Speed Selector to proper position.

Turn Function Selector to Rej and hold until the turntable starts to revolve, then release. The Tone Arm will automatically set down at the proper point, and the changer will automatically play and change each record and shut off after the last record has been played.

Rejecting

To reject a record, turn Function Selector to Rej and release.

CHANGE CYCLE

Turn-On Sequence

When Function Selector (2) is turned from Off to Rej, Assembly (41) pivots to move Link (42), pivoting Assembly (43) to move Bar (26). Spring (32) pivots Assembly (57) to move Idler Wheel (1) against the drive-motor shaft and the inside rim of Turntable (5).

A Cam on Assembly (43) pivots Switch Lever (52) to move Switch Slider (51), turning On/Off Switch (100) on. Assembly (43) pivots Auto-Trip Lever (44) to move Auto-Trip Link (28). A tab on Auto-Trip Link (28) moves Striker Friction Plate (68) to pivot Striker (67) toward the turntable hub. A projection on the rotating turntable hub engages Striker (67) to move Intermediate Gear (69) out of the recess in Main Cam Gear (90), engaging Intermediate Gear (69) with the turntable hub.

Change Sequence

Note: While manually rotating Turntable (5), observe the change cycle.

As Main Cam Gear (90) begins its rotation, a cam on top of Gear (90) moves Muting Switch Slider (86) to short the pick-up terminals to ground.

The roller on Lift Lever Assembly (80) rides a series of elevations on rotating Gear (90). Rocker Lift Spring (76) pivots Assembly (80) to move Lift Rod (82), lifting the Tone Arm above the rest post.

Auto-Stop Swing Plate (101), on Main Cam Gear (90), is pivoted by a pin projecting from Sub-Plate Assembly (95) to position Plate (101) at the exit of the raised ramp of the main groove on Gear (90).

As Plate (101) pivots, Pin (102), on Feed Lever Assembly (91), follows the main groove on Gear (90) to pivot Feed Lever Assembly (91) and Vertical Pivot Assembly (83), moving the Tone Arm inward to size the bottom record on the spindle shelf. When the Tone Arm contacts the bottom record of the record stack, Pin (102) rides out of the main groove on Gear (90) into one of the three set-down grooves which determine the Tone Arm set-down point.

At this point, a cam lobe on Gear (90) moves Slide Assembly (94) to pivot the push-off lever in Spindle (25), dropping the bottom record of the stack onto Turntable (5). Pin (102) follows

the selected set-down groove to move the Tone Arm in and over the record to the proper set-down point. Gear (90) continues its rotation to set the Tone Arm down on the record and to move Slider (86), ungrounding the pick-up terminals.

Striker (67) is reset when the turntable hub pushes Striker Pressure Plate (68) inward, pivoting Striker (67) from the turntable hub.

As Gear (90) completes a full rotation, Intermediate Gear (69) drops into the recess in Gear (90) to disengage Gear (69) from the turntable hub.

As the Tone Arm tracks the record grooves, a pin projecting from Vertical Pivot Assembly (83) moves Striker Slide (72). A tab on Slide (72) pivots Plate (68) and Striker (67) slightly toward the turntable hub. The velocity of the Tone Arm is insufficient to trip the mechanism as the projection on the turntable hub moves Striker (67) back with each revolution of Turntable (5). However, when the needle enters the record run-out groove, the velocity of the Tone Arm increases sufficiently to move Striker (67) in ahead of the projection on the turntable hub. The projection then engages Striker (67) to trip the changer into change cycle.

Shut-Off Sequence

When the last record has been played, the changer trips into change cycle. Pin (102) follows the main groove on Gear (90) to swing the Tone Arm inward. However, since no record is present on the spindle shelf to stop the Tone Arm swing, Pin (102) continues inward in the main groove on Gear (90) to ride up the raised ramp and onto Auto-Stop Swing Plate (101), pivoting Plate (101) outward. When Plate (101) reaches its outermost position, Pin (102) rides off Plate (101) into the shut-off groove on Gear (90) to hold the Tone Arm above the rest post.

As Gear (90) continues its rotation, the Tone Arm is lowered onto the rest post, and Plate (101) pivots Lever (64) to set up the shut-off sequence.

When Gear (90) completes a full rotation, Intermediate Gear (69) drops into the recess of Gear (90) to pivot Lever Assembly (63), releasing Auto-Trip Lever (44) and Operating Lever Assembly (43) to turn On/Off Switch (100) off. Function Selector Knob (2) is returned to Off, and Idler Wheel (1) is pulled clear of the drive-motor shaft and the inside rim of Turntable (5). Rest Spring (23) pivots Rest Lever (24) to lock the Tone Arm to the rest post.

CLEANING

Using a soft cloth dampened with isopropyl alcohol, clean the driving surfaces of the idler

wheel, the motor shaft, and the inside rim of the turntable.

LUBRICATING

Use a light nonhardening grease on sliding cam surfaces and pivot points.

wheel bearing, and motor bearings.

Use light machine oil on tone arm lift rod, idler

Do not lubricate turntable driving surface or the teeth on the cycling gears and turntable hub.

MECHANICAL PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1	76130419	Idler Wheel
2	76130136	Function Selector Knob
3	76180323	Speed Selector Knob
4	76130443	Stabilizer Arm (Early Production)
	76130469	Stabilizer Arm and Shaft Assembly (Late Production)
5	76130316	Turntable Assembly
6	76252614	Cross Pin
7	76170425	Stabilizer Arm Index Pin
8	76170428	Stabilizer Arm Retaining Pin
9	76120073	Tone Arm Assembly
10	76125062	Tone Arm (With Trim)
	76125063	Tone Arm (Less Trim)
11	76123001	Record Brush
12	76204024	Tone Arm Lift Plate
13	76190011	Spring Adjusting Plate
14	76200039	Counterbalance Spring
15	76125039	Tone Arm Bracket Assembly
16	76160237	Clamp Plate
17	76171350	Needle Pressure Adjusting Screw
18	76171070	Tone Arm Pivot Pin
19	76190174	Stabilizer Arm and Tone Arm Pedestal
20	76201021	Stabilizer Arm Return Spring
21	76171777	Stabilizer Arm Shaft (Curved, Early Production)
	76130469	Stabilizer Arm Shaft (Straight, Late Production)
22	76180324	Speed & On/Off/Reject Plaque
23	76203011	Tone Arm Rest Spring
24	76160283	Tone Arm Rest Lever
25	76130438	Center Spindle Assembly
26	76130382	Idler Retraction Bar
27	76200036	Switch-Off Spring
28	76160235	Auto-Trip Link
29	141704-2	Changer Hold-down Slide Latch
30	76171865	Speed Change Pivot Stud
31	76201025	Idler Lift Spring
32	76200032	Idler Tension Spring
33	76205016	Speed Change Cam Drive Link
34	76205015	Speed Change Index Rocker Drive Link
35	76130356	Index Rocker Assembly
36	76110082	Motor Assembly (2-pole, Standard)
	76110083	Motor Assembly (2-pole, 18V overwind)
	76110084	Motor Assembly (2-pole, 22V underwind)
37	76203010	Auto-Trip Link Spring
38	76172106	Control Spigot
39	76160278	Speed Change Plate
40	76171351	Control Spacer
41	76130358	Control Shaft Assembly
42	76205014	Operating Lever Link
43	76130357	Operating Lever Assembly
44	76160238	Auto-Trip Lever
45	76203022	Operating Lever Spring
46	76130322	Speed Index Spring Assembly
47	76183512	Switch Housing
48	76273257	Switch Contact (moving)
49	76273256	Switch Contact (fixed)
50	76213013	Contact Clamp
51	76213031	Switch Slider

MECHANICAL PARTS LIST (Continued)

REF. NO.	PART NO.	DESCRIPTION
52	76160255	Switch Lever
53	76213014	Switch Cover
54	76270074	Capacitor, .01 ,+80 -20%, 2250V.
55	76180252	Speed Change Cam
56	76190164	Idler Lift Bracket
57	76130366	Idler Swivel Assembly
58	76130367	Idler Arm Assembly
59	76164071	Mounting Bracket (3-pin Molex Connector)
	76164076	Mounting Bracket (6-pin Molex Connector)
60	76130167	Thrust Bearing Assembly
61	76160040	Self-Aligning Washer
62	76130439	Turntable Spigot Housing Assembly
63	76130307	Intermediate Gear Lever Assembly
64	76160247	Auto-Stop Lever
65	76203012	Auto-Stop Lever Spring
66	76130398	Striker Pressure Plate & Post Assembly
67	76180315	Striker (Plastic)
68	76160262	Striker Friction Plate
69	76130310	Intermediate Gear
70	76201026	Compression Spring
71	76164075	Striker Safety Plate
72	76164072	Striker Slide
73	76203017	Striker Safety Spring
74	76160306	Stabilizer Arm Spring Disc
75	76201004	Stabilizer Arm Spring
76	76204027	Tone Arm Rocker Lift Spring
77	76171356	Tone Arm Pivot Spacer
78	76130371	Tone Arm Pivot Base Assembly
79	76160289	Tone Arm Height Adjuster
80	76130372	Tone Arm Lift Lever Assembly
81	76171078	Lifter Pivot
82	76174013	Tone Arm Lift Rod
83	76130408	Tone Arm Vertical Pivot Assembly
84	76130429	Pivot Base Bracket Assembly
85	76203023	Bias Spring
86	76180254	Muting Switch Slider
87	76130421	Muting Switch Assembly
88	76160254	Muting Switch Contact
89	76130340	Phono Socket Board Assembly
90	76130299	Main Cam Gear Assembly
91	76130376	Feed Lever Assembly
92	76201019	Feed Lever Spring
93	76171345	Record Dropping Slide Spacer
94	76130301	Record Dropping Slide Assembly
95	76130381	Sub-Plate Assembly
96	76200034	Record Dropping Slide Spring
97	76164082	Stabilizer Arm Alignment Bracket
98	76203019	Tone Arm Positioning Spring
99	(1)	Feed Lever Adjustment Screw
100	(2)	On/Off Switch
101	(3)	Auto-Stop Swing Plate
102	(1)	Cam Follower Pin

(1) Part of Ref. No. 91.

(2) Consists of Ref. Nos. 47 through 53.

(3) Part of Ref. No. 90.

ADJUSTMENTS

Tone Arm Setdown

Adjust B1 until the needle sets down in the center of the lead-in groove on a 12-inch record. Turning B1 clockwise moves the set-down point outward.

Tone Arm Height

Adjust B2 until the top of the Tone Arm clears a 12-inch record on the center spindle shelf by 1/4 inch during change cycle. Turning B2 clockwise decreases the lift-up height.

Needle Pressure

Adjust B3 to obtain nominal needle pressure of 3 grams. Turning B3 clockwise decreases needle pressure.

Drive Idler Height

Select 33 rpm and adjust the screw in the idler support arm until the idler wheel is in the center of the 33-rpm section of the motor shaft. Turning the screw clockwise lowers idler wheel.

Tone Arm Tracking

With the intermediate gear in the recess of the main cam gear, adjust Screw B4 for 1/32-inch clearance between the end of the cam follower pin and the face of the main cam gear.

Vertical Pivot Bracket Play

Adjust B5 to obtain 1/64 inch of vertical travel between the vertical pivot bracket and the pivot base bracket.

TROUBLE CHART

SYMPTOM	REMARKS
Turntable does not revolve when Function Selector is turned to On.	Spring (32) broken or missing. Switch (100) defective.
Turntable speed varies.	Idler (1) dirty. Turntable rim dirty. Motor shaft dirty. Idler Height misadjusted. Spring (32) defective. Motor (36) defective.
Tone Arm does not lift off rest post.	Spring (76) broken or missing. Rod (82) binding. Lever (80) binding.
Tone Arm does not move laterally toward record.	Spring (92) defective or missing. Screw (99) misadjusted.
Tone Arm skips or bounces when setting down on record.	Needle pressure incorrect. Pick-up lead slack insufficient.
Tone Arm does not track smoothly.	Needle pressure incorrect. Pick-up lead slack insufficient. Screw (99) misadjusted.
Changer cycles continuously.	Striker (67) defective or binding. Plate (68) defective.
Changer cycles before needle reaches end of record.	Slide (72) defective. Striker (67) defective or binding. Plate (68) defective or binding.
Changer does not cycle after record has been played.	Slide (72) defective or binding. Striker (67) defective or binding. Plate (68) defective or binding.
Function Selector returns to Off position when released.	Spring (65) defective or missing. Lever (64) defective or binding.
Speed Selector does not move easily.	Cam (55) needs lubrication. Bracket (56) binding.
Speed Selector does not detent properly.	Spring (46) defective or missing.