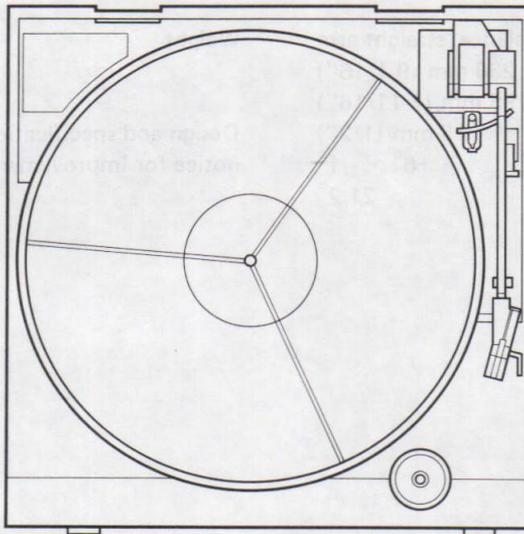




# SERVICE MANUAL TURNTABLE MODEL LT-603



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**SPECIFICATIONS**

**1. PHONO MOTOR SECTION**

Drive mechanism	Belt drive
Motor	DC motor
Platter	
Diameter	29.6 cm (11-11/16")
Material	Aluminum diecast
Platter speed	33-1/3, 45 r.p.m.
Wow and flutter	0.07% (Wrms)
Signal to noise ratio	62 dB (DIN-B)

**2. TONEARM SECTION**

Type	Static balance, straight arm
Overall length	230 mm (9-1/16")
Effective length	195 mm (7-11/16")
Overhang	13 mm (1/2")
Tracking error (30 cm LP)	+6° ~ -1°
Offset angle	21.2°

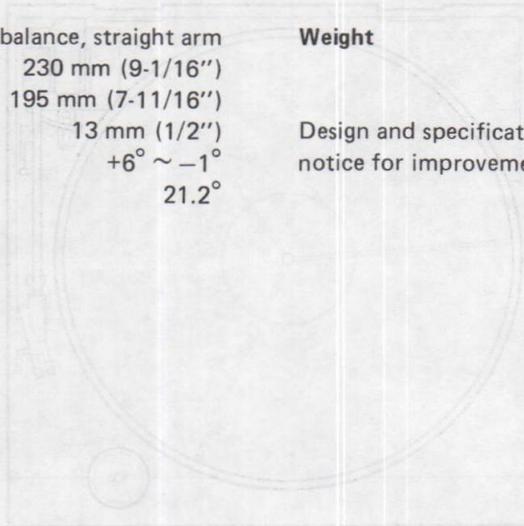
**3. CARTRIDGE SECTION**

Type	MM
Stylus	0.6 mil diamond
Recommended tracking force	3.5 g
Output level (1 kHz, 3.54 cm/s)	1.5 mV - 3 mV
Channel separation (1 kHz)	16 dB

**4. GENERAL**

Power consumption	4 W
Dimensions (W x H x D)	335 x 95 x 341 mm (13-5/16 x 3-3/4 x 13-7/16")
Weight	2.5 kg (5 lb 8 oz)

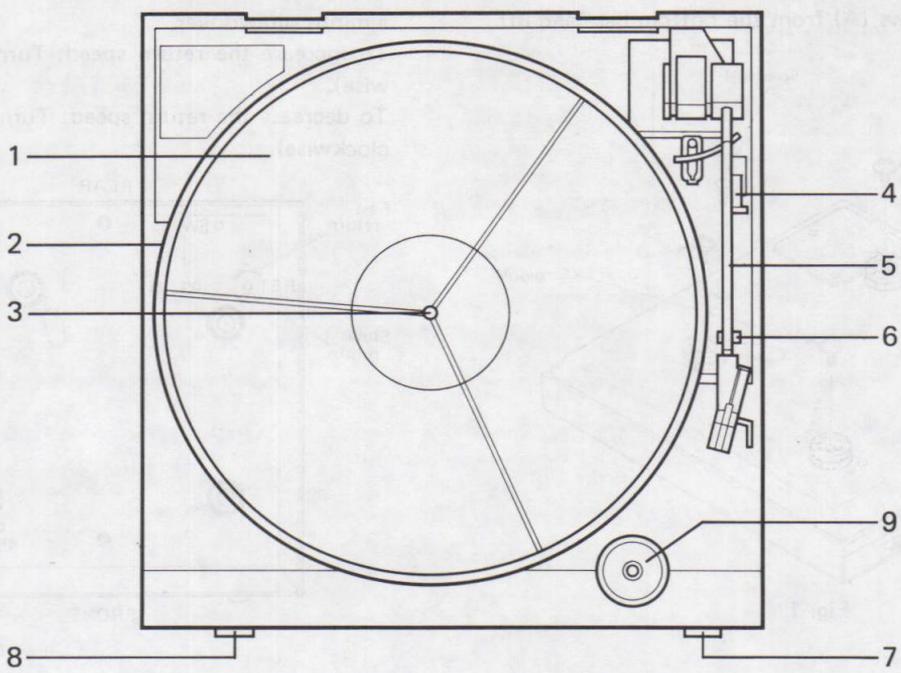
Design and specifications are subject to change without notice for improvement.



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### COMPONENT TERMINOLOGY AND FUNCTIONS



- 1. Turntable platter mat
- 2. Turntable platter
- 3. Turntable shaft
- 4. Cueing lever
- 5. Tonearm
- 6. Tonearm rest
- 7. Stop button
- 8. Speed selector button
- 9. 45 rpm adapter

## DISASSEMBLY PROCEDURE

### 1. Bottom Cover Removal (Fig. 1)

- 1) Remove the platter-mat.
- 2) Remove the 6 screws (A) from the bottom base and lift off.

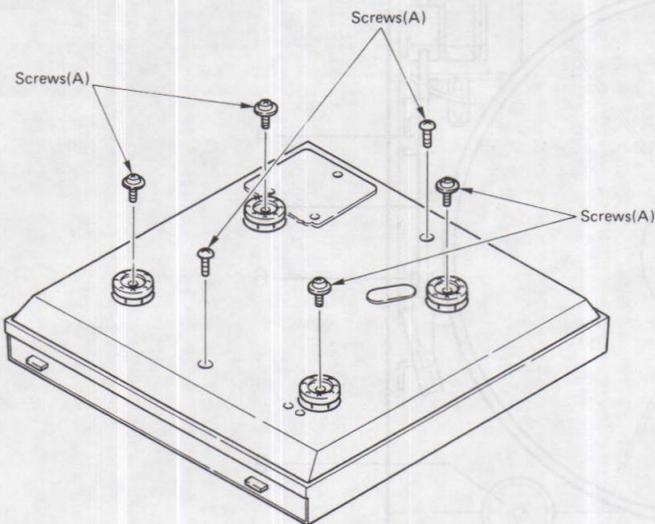


Fig. 1

### 2. Tonearm Removal (Fig. 2/3)

- 1) Remove the bottom cover.
- 2) Remove lead wires (red shield, white shield and black) connected to phono P.C.B. ass'y strip.
- 3) Remove the pivot pin from the hinge bracket to remove the tonearm.

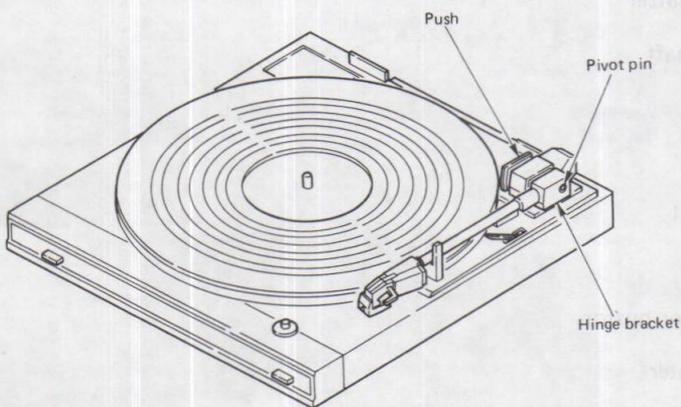


Fig. 2

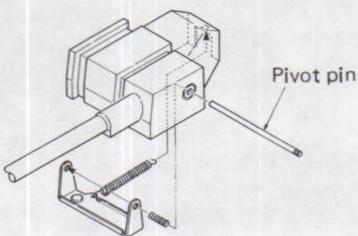


Fig. 3

## ADJUSTMENT PROCEDURE

### 1. Return Speed Adjustment (Fig. 4)

- Adjust the "RET" control on the bottom plate using a minus screwdriver.
- To increase the return speed: Turn to the right (clockwise).
- To decrease the return speed: Turn to the left (counterclockwise).

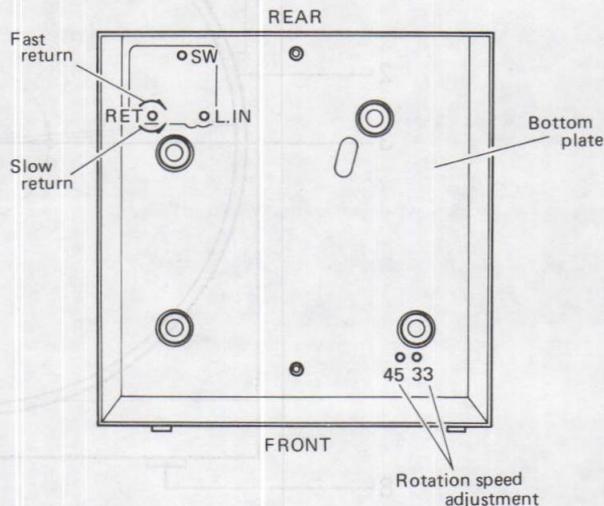


Fig. 4

### 2. SW ON/OFF position adjustment (Fig. 5)

- 1) Remove the bottom plate.
- 2) Adjust the cam so that it is positioned approx. 0.5mm inside from the center of the knob of the leaf switch.
- 3) Perform auto return operation with the set in the operation mode. Check that the tone arm is held on the arm rest and the platter stops rotation at this time.

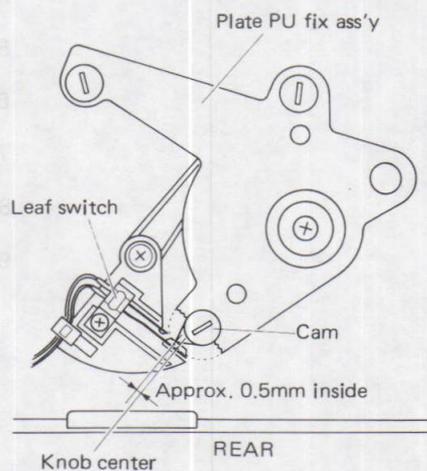


Fig. 5

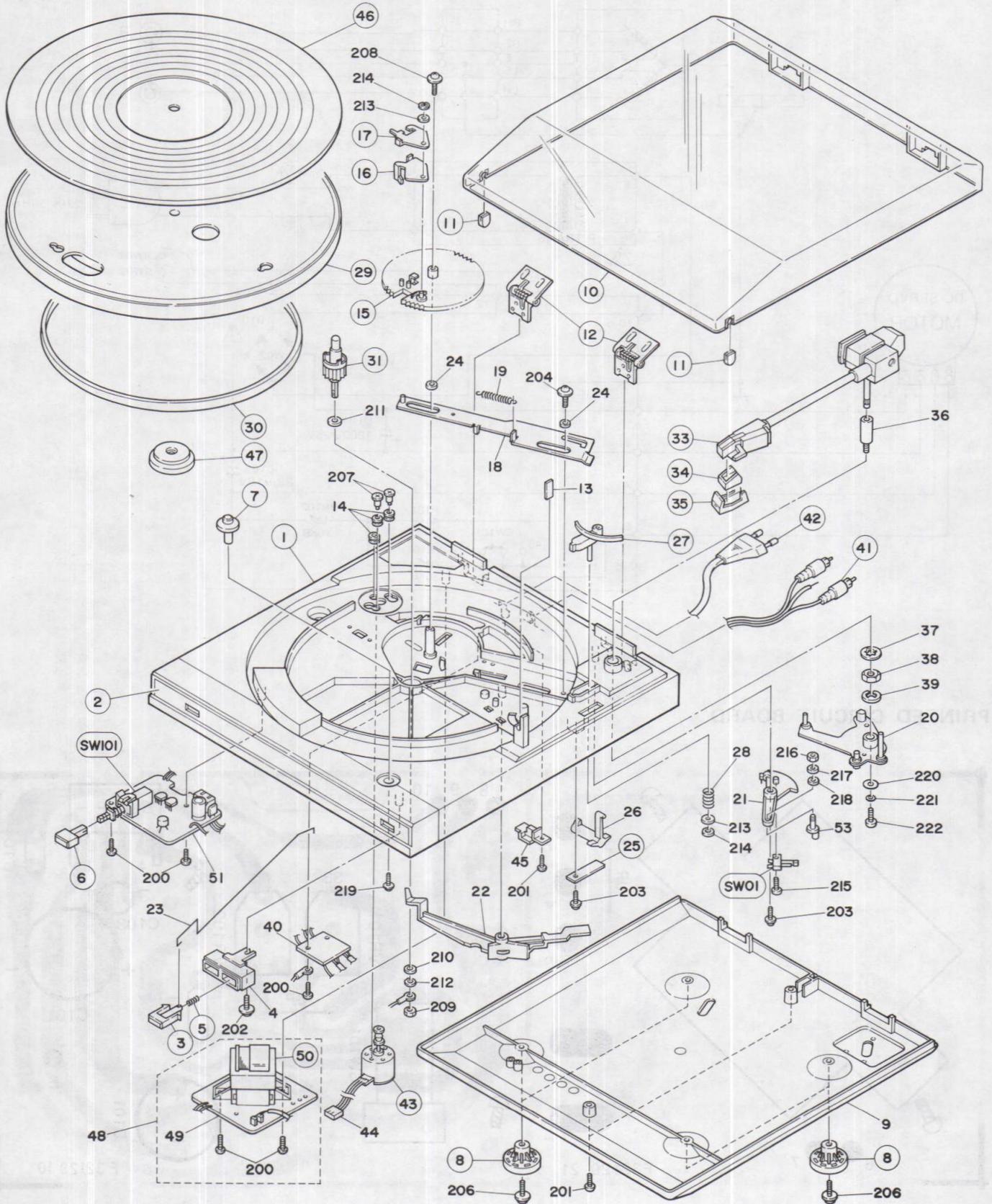
### 3. Motor Speed Adjustment

- 1) Set the strobe disk for speed adjustment on the platter.
- 2) Set the "SPEED" button to 45 and adjust VR102 so that the strobe bar (45 r.p.m.) of the strobe disk is still.
- 3) Set the "SPEED" button to 33 and adjust VR101 so that the strobe bar (33 r.p.m.) of the strobe disk is still.



EXPLODED VIEW

SCHEMATIC DIAGRAM



## PARTS LIST

NOTE:  and  designates components on the Parts list that have special characteristics to maintain the safety performance of this unit. When replacing any of these parts, be sure to use only specified parts.

Symbol No.	Parts No.	Description
1	M07A24116	Cabinet Top
2	M07A24100	Panel (Control)
3	M07A24200	Knob (Stop)
4		Guide (Stop)
5	M07A24760	Spring (Stop)
6	M07A24201	Knob (Speed)
7	M07A24683	Pin (Adapter)
8	M07A24190	Foot
9		Cabinet Bottom
10	M07A24130	Dust Cover
11	M07A24185	Pad (Dust Cover)
12	M07A24140	Hinge
13		Felt
14		Rubber Cushion
15	M07A24730	Gear (Cycling)
16	M07A24735	Trip
17	M07A24736	Trip
18		Plate Ass'y
19		Spring
20		Plate PU Fix Ass'y
21		Plate Switch
22		Return Arm
23		Spring Rod
24		Spacer
25	M07A24761	Spring Plate
26		Cueing Lever
27	M07A24604	Arm Lifter
28		Spring
29	M07A24620	Platter
30	M07A24713	Belt
31	M07A24675	Platter Shaft
33	M07A24600	Tonearm Ass'y
34	M07A24612	Stylus
35	M07A24136	Stylus Cover
36		Spacer
37		Washer
38		Nut
39		E Type Washer $\phi 5$
40		Phono P.C.B Ass'y
41	M07A24495	Cord Ass'y
42	M07A24490	Power Cord 
43	M07A24550	Motor Ass'y
44		Connector 4P Ass'y
45		Cramp Wire
46	M07A24622	Platter Sheet
47	M07A24005	45 rpm Adapter
48		Power P.C.B Ass'y
49		Printed Circuit Board
50	M07A24500	Power Transformer 
51		DC Power P.C.B Ass'y
53		Cam
200		T-Screw 3 x 8
201		T-Screw 3 x 12
202		T-Screw 3 x 3 with Washer
203		T-Screw 3 x 10 with Washer
204		T-Screw 3 x 10 with Washer
206		Special Screw

Symbol No.	Parts No.	Description
207		Special Screw
208		Special Screw
209		Hexagon Nut M4
210		Plain Washer $\phi 4.2 \times 10 \times 0.5$
211		Plain Washer $\phi 4.2 \times 12 \times 1$
212		Toothed Washer
213		Plain Washer $\phi 3.2 \times 10 \times 0.5$
214		Ring Snap $\phi 3 \times 8 \times 0.25$
215		T-Screw 2 x 8
216		Hexagon Nut M2.6
217		Spring Washer $\phi 2.6$
218		Plain Washer $\phi 2.6 \times 6.5 \times 0.5$
219		T-Screw 3 x 8 with Washer
220		Washer
221		Spring Washer $\phi 3 \times 5.5 \times 1$
222		Plain Washer $\phi 3.2 \times 11.5 \times 1$
<b>Electrical Parts</b>		
SW01	M07A24375	Leaf switch
SW101	M07A24355	Push switch 1 key
VR101	M07A24410	VR Semi 30KB
VR102	M07A24411	VR Semi 10KB
D101	M07A24320	Diode W02 
<b>Packing</b>		
101	M07A24940	Instruction Booklet (EU)
	M07A24941	Instruction Booklet (FR)
102	M07A24900	Packing Box
103	M07A24920	Packing Bag (Dust Cover)
104	M07A24921	Packing Bag (Set)
105	M07A24910	Cushion Set

# PACKING INSTRUCTIONS

