

PS-LX150H

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model
Australian Model*



SPECIFICATIONS

Platter	30 cm, aluminum-alloy diecast
Motor	DC servo motor
Drive system	Belt drive
Speed	33 1/3 r/min, 45 r/min
Automatic system	Return, reject
Tone arm type	Statically balanced
Cartridge type	Moving magnet type
Stylus	CN-234
General	
Dimensions	Approx. 430 × 103 × 355 mm (w/h/d) (17 × 4 1/16 × 14 inches)
Weight	Approx. 2.9 kg (6 lb 6 oz)
Power requirement	Model for USA and Canadian: 120 V AC, 60 Hz Model for continental Europe: 220 - 230 V AC, 50/60 Hz Model for the United Kingdom and Australian: 240 V AC, 50/60 Hz
Power consumption	4 W
Supplied accessory	45-r/min adaptor (1)

Design and specifications subject to change without notice.

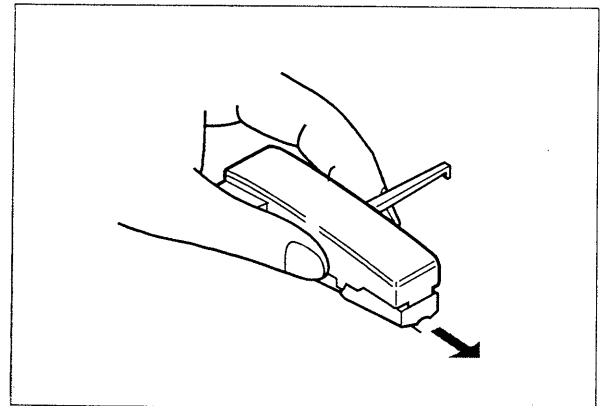
Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Replacing the Stylus

Replace the stylus after about 400 hours of use because using a worn stylus will damage records. A CN-234 replacement stylus is available at your Sony dealer. Be sure to turn the amplifier off before proceeding with replacement.

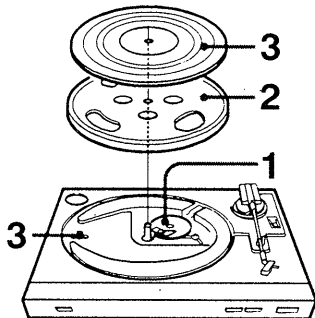
- 1 While holding the cartridge, detach the stylus assembly as illustrated.
- 2 Insert the new stylus into the cartridge.



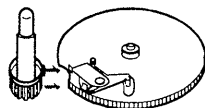
STEREO TURNTABLE SYSTEM
SONY[®]

Connections

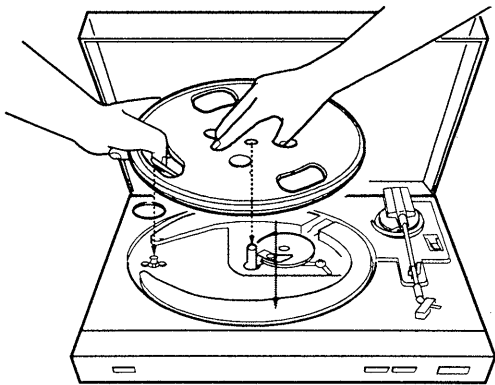
Assembling the Turntable



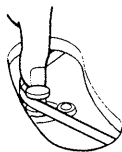
- 1** Move the metallic parts inside the larger gear in the direction of arrows.



- 2** Set the turntable on the spindle, gripping the three holes at the center of the turntable with your right hand, and holding the black rubber belt with your left thumb.

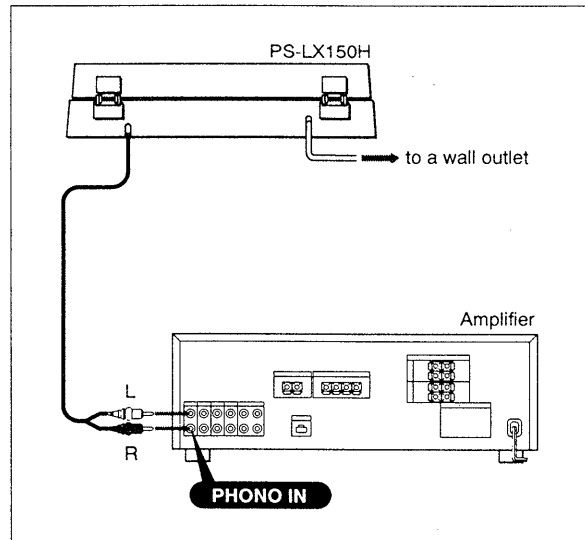


- 3** Hook the belt on the pulley and place the rubber mat on the turntable. To make sure it operates properly, spin the turntable clockwise once or twice with your hand.



Connecting to the Amplifier

Connect the red plug to the right-channel jack (R), and the white plug to the left-channel jack (L).

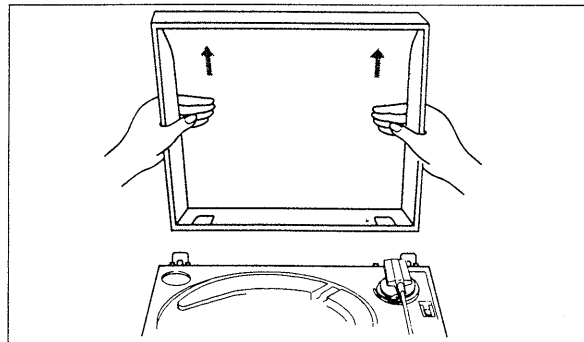


Notes on installation

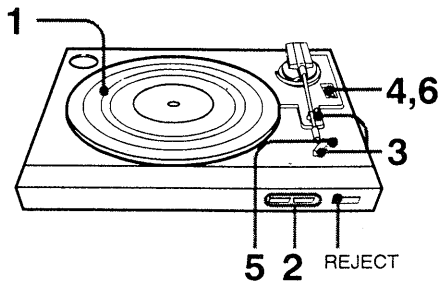
- Place the turntable on a level surface.
- Avoid placing the unit near electrical appliances (such as a television, hair dryer, or fluorescent lamp) which may cause hum or noise.
- Place the turntable where it will not be subject to any vibration, such as from speakers, slamming of doors, etc.
- Keep the unit away from direct sunlight, extremes of temperature, and excessive dust and moisture.

To remove the dust cover

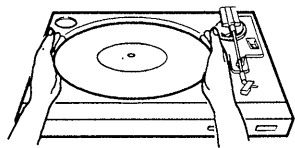
Open the cover fully and pull it up.



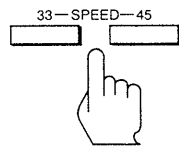
Playing Records



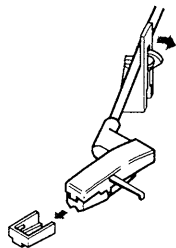
1 Place a record on the turntable.



2 Press the SPEED button to select the speed.



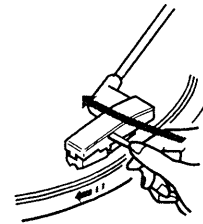
3 Remove the cover from the cartridge, and release the stopper from the tone arm.



4 Set the cueing lever to ∇ .



5 Move the tone arm by hand to the desired point.
The turntable automatically starts rotating.



6 Set the cueing lever to ∇ .



When the record is played to the end

The tone arm returns to the arm rest and the turntable stops.

To stop during play

Press the REJECT button.

To play a different part of the record

Lift the tone arm by setting the cueing lever to ∇ , move the tone arm by hand to the desired point, then set the cueing lever to ∇ .

To play a 17-cm record

Use the supplied adaptor.

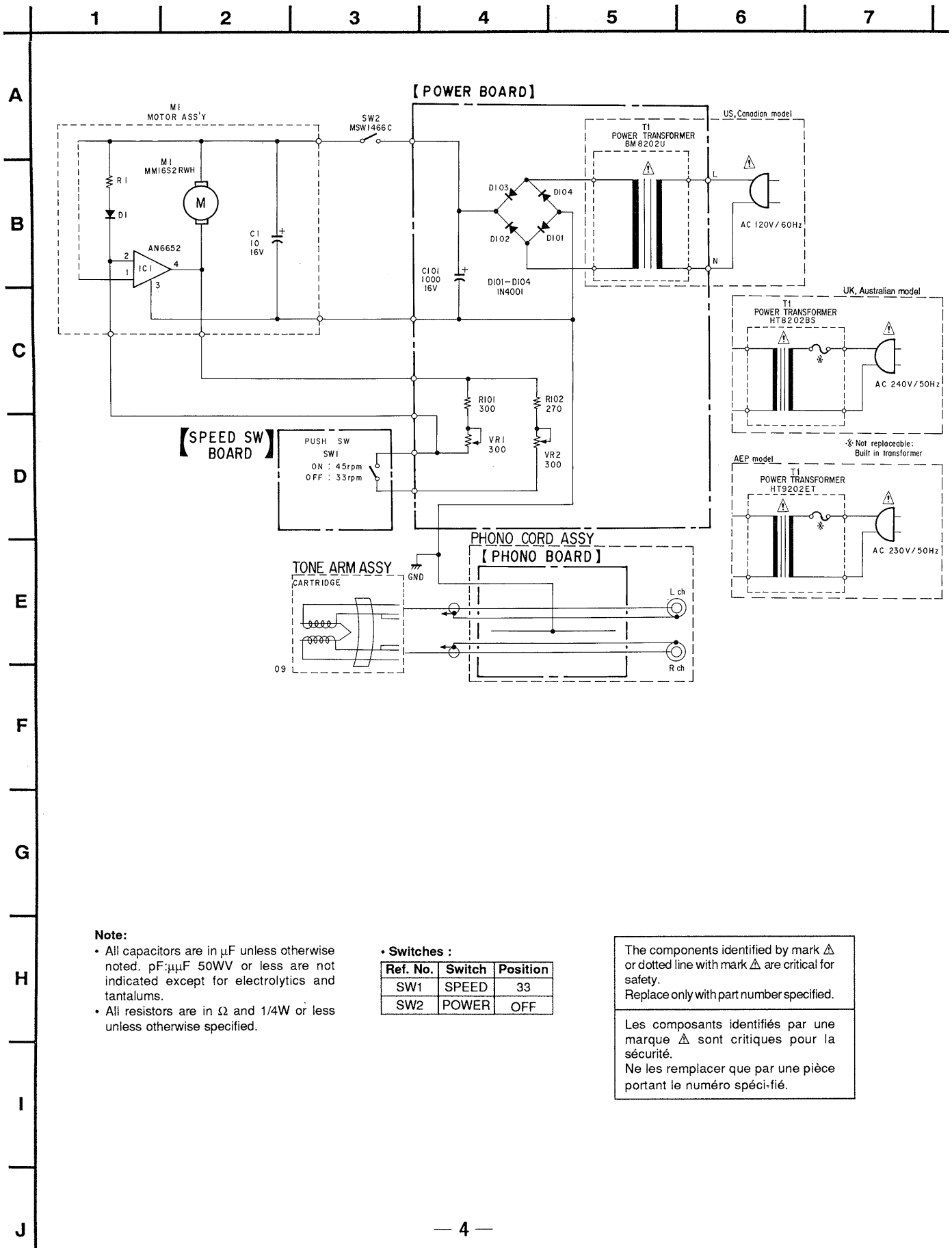
If the tone arm moves outward when you move it close to the center

Do not resist this movement, as it may damage the automatic return mechanism.

If the tone arm does not return to the arm rest

Press the REJECT button.

SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted. pF ; μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.

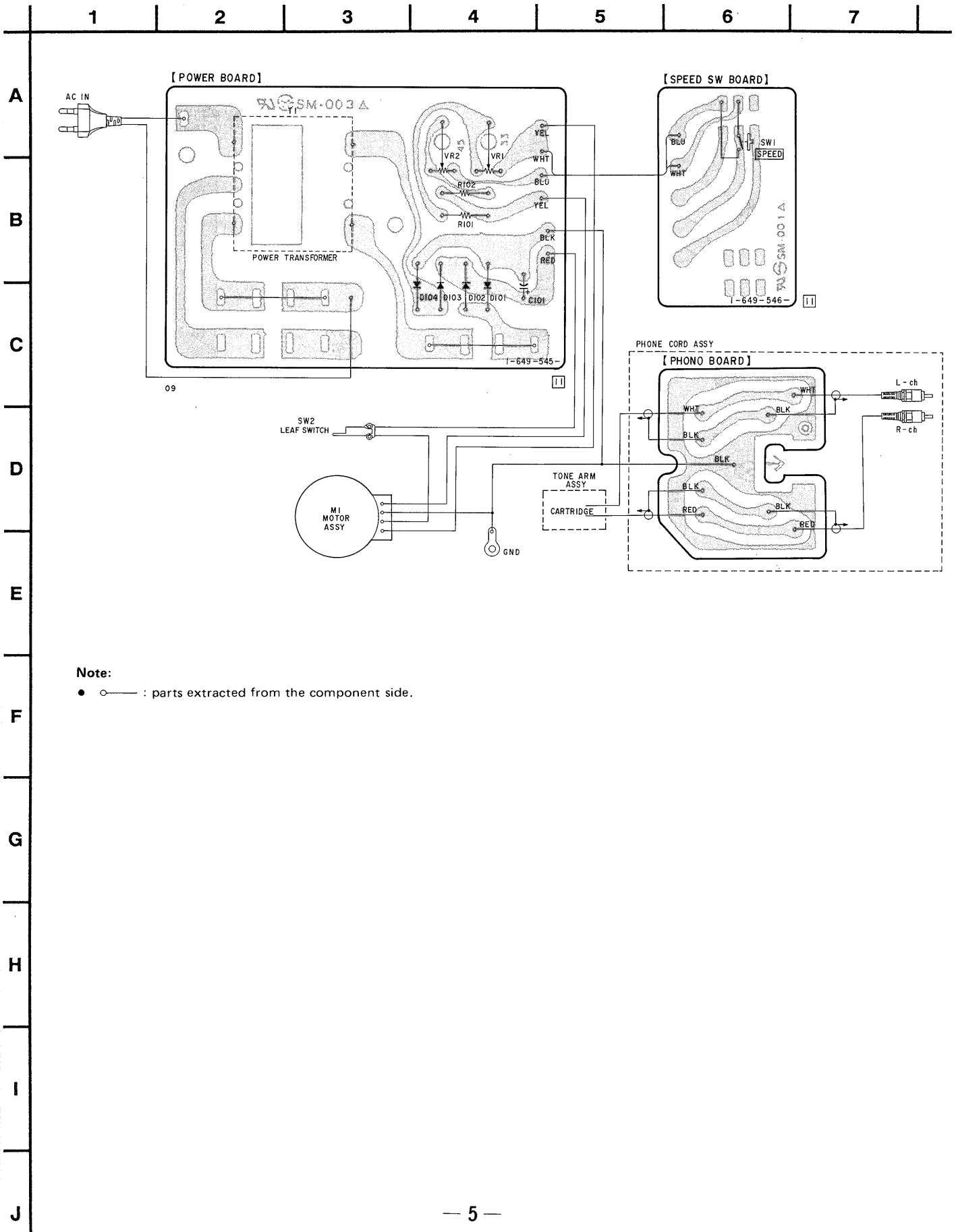
• Switches :

Ref. No.	Switch	Position
SW1	SPEED	33
SW2	POWER	OFF

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spéci-fié.

WIRING DIAGRAM



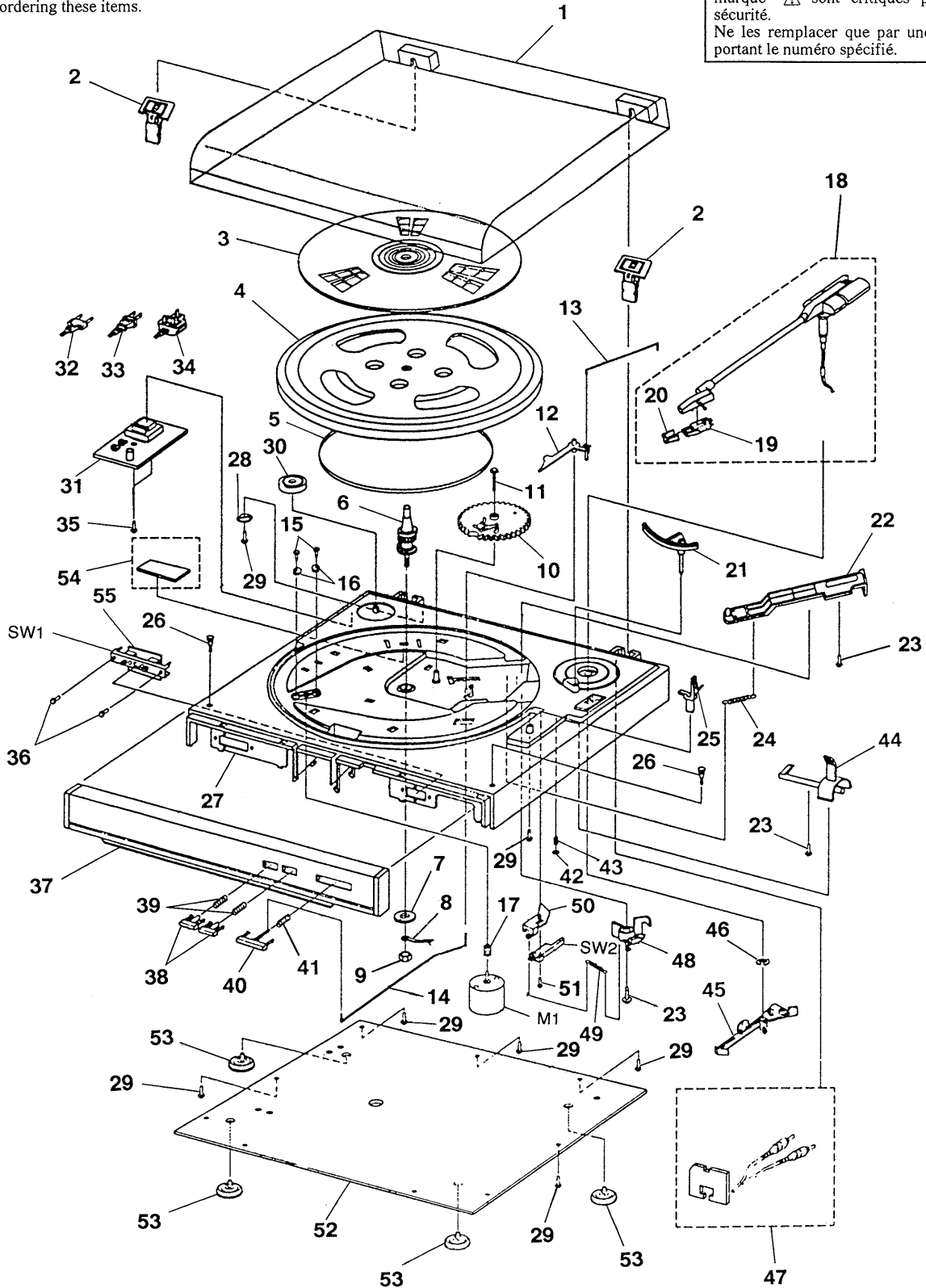
EXPLODED VIEW

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



Ref. No.	Part No.	Description	Remark
1	4-960-214-01	COVER DUST	
2	A-4660-488-A	HINGE ASSY	
3	4-960-224-01	RUBBER SHEET	
4	4-960-223-01	PLATTER	
5	4-960-222-01	BELT RUBBER	
6	A-4660-486-A	CENTER SHAFT ASSY	
7	4-960-199-01	WASHER PLANE	
8	4-960-200-01	RING TERMINAL	
9	4-960-201-01	NUT HET	
10	A-4660-485-A	RING GEAR ASSY	
11	4-960-218-01	WASHER SCREW TAP WPH	
12	4-960-194-01	LEVER REJECT	
13	4-960-193-01	LINK CUT	
14	4-960-225-01	LINK REJECT	
15	4-960-203-01	SCREW MOTOR SETTING	
16	4-960-182-01	CUSHION MOTOR	
17	4-960-202-01	PULLEY MOTOR	
18	A-4660-422-A	STONE ARM ASSY	
19	4-948-094-01	STYLUS	
20	4-961-623-01	COVER STYLUS	
21	4-960-188-01	ELEVATION ARM	
22	4-960-192-01	ACTUATING ARM	
23	4-960-217-01	WASHER SCREW TAP WPH	
24	4-960-206-01	SPRING ACTUATING	
25	A-4660-484-A	ARM STAND ASSY	
26	4-960-181-01	CUSHION DUST COVER	
27	4-960-180-01	CABINET UPPER	
28	4-960-209-01	STOPPER CORD	
29	4-960-220-01	SCREW TAP WPH	
30	4-960-212-01	ADAPTOR E. P	
* 31	1-649-545-11	POWER BOARD	
△ 32	1-575-651-11	CORD, POWER (AEP)	
△ 33	1-575-975-11	CORD, POWER (US, Canadian)	
△ 34	1-696-570-21	CORD, POWER (UK, Australian)	
35	4-960-216-01	SCREW TAP PH	
36	4-960-215-01	SCREW PH	
37	4-960-183-01	PANEL FRONT	
38	4-960-185-01	KNOB SPEED	
39	4-960-184-01	SPRING SPEED BUTTON	
40	4-960-187-01	KNOB REJECT	
41	4-960-186-01	REJECT SPRING COIL	
42	4-960-190-01	WASHER C. S	
43	4-960-189-01	SPRING ELEVATION	
44	4-960-196-01	HANDLE LIFTER	
45	A-4660-487-A	FEED ARM ASSY	
46	4-960-207-01	E-RING	
47	A-4660-483-A	PHONO CORD ASSY	
48	4-960-197-01	ELEVATOR	
49	4-960-205-01	SPRING ELEVATOR	
50	4-960-204-01	HOLDER LEAF S/W	
51	4-960-219-01	SCREW TAP PH	
52	4-960-211-01	COVER BOTTOM	
53	4-960-210-01	FOOT RUBBER	
54	4-960-221-01	COVER VOLTAGE (US, Canadian)	
* 55	1-649-546-11	SPEED SW BOARD	
M1	1-698-210-11	MOTOR	
SW1	1-692-691-11	PUSH S/W (SPEED)	
SW2	1-692-692-11	LEAF S/W (REJECT)	

POWER

SPEED SW

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA...,
uPB...: μ PB..., uPC...: μ PC...,
uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-649-545-11	POWER BOARD *****				ACCESSORIES & PACKING MATERIALS *****	
		< CAPACITOR >				3-757-233-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP, UK, Australian)	
C101	1-124-360-00	ELECT 1000uF	16V			3-757-233-21 MANUAL, INSTRUCTION (ENGLISH) (US, Canadian)	
		< DIODE >				3-757-233-31 MANUAL, INSTRUCTION (FRENCH) (Canadian)	
D101	8-719-200-02	DIODE 10E-2				3-757-233-41 MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP)	
D102	8-719-200-02	DIODE 10E-2		*	4-959-880-01	INDIVIDUAL CARTON	
D103	8-719-200-02	DIODE 10E-2					
D104	8-719-200-02	DIODE 10E-2					
		< RESISTOR >					
R101	1-247-818-11	CARBON 300	1/4W				
R102	1-249-410-11	CARBON 270	1/4W				
		< TRANSFORMER >					
Δ T1	1-423-815-11	TRANSFORMER, POWER (AEP)					
Δ T1	1-423-816-11	TRANSFORMER, POWER (UK, Australian)					
Δ T1	1-423-817-11	TRANSFORMER, POWER (US, Canadian)					
		< VARIABLE RESISTOR >					
VR1	1-230-625-11	VARIABLE RESISTOR 300					
VR2	1-230-625-11	VARIABLE RESISTOR 300					

*	1-649-546-11	SPEED SW BOARD *****					
		< SWITCH >					
SW1	1-692-691-11	PUSH S/W (SPEED)					

		MISCELLANEOUS *****					
M1	1-698-210-11	MOTOR					
SW1	1-692-691-11	PUSH S/W (SPEED)					
SW2	1-692-692-11	LEAF S/W (REJECT)					
