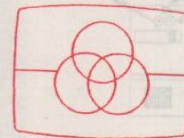


SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model
Australian Model



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SPECIFICATIONS

Turntable

Platter	30cm (12 in.)
Motor	DC servo motor
Drive system	Belt drive
Speed	33 1/3 rpm/45 rpm switchable
Wow and flutter	0.2% (WRMS)
Signal-to-noise ratio	60 dB (DIN-B)
Automatic system	Return, reject

Tonearm

Type	Dynamically balanced
Pivot-to-stylus length	203 mm (8 in.)
Overall arm length	235 mm (9 1/4 in.)

Cartridge

Type	Moving magnet type
Frequency response	20 Hz-20kHz
Stylus	CN-234

General

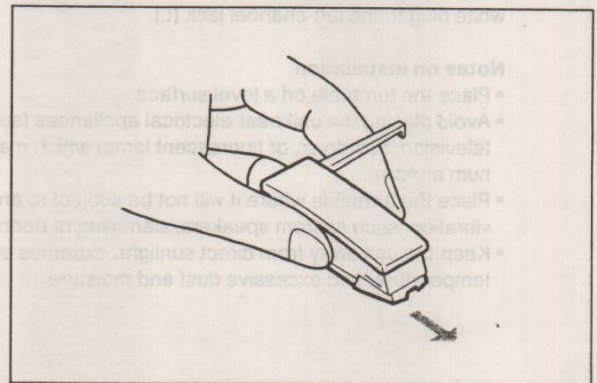
Dimensions	355 × 94 × 345 mm(w/h/d) (14 × 3 3/4 × 13 3/8 inches)
Weight	Approx. 2.5 kg (5 lb 8 oz)
Power requirement	US and Canadian model: 120 V AC, 60 Hz European model: 220-230 V AC, 50/60 Hz Australian model: 240V AC, 50Hz Model for other countries: 110-120 V/220-240V AC, adjustable with the voltage selector, 50/60 Hz
Power consumption	2 W
Accessory supplied	45-rpm adaptor (1)
Optional accessories	Replacement stylus CN-234 Stat spray XP-C10 Cleaner XP-C1, XP-C2

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.

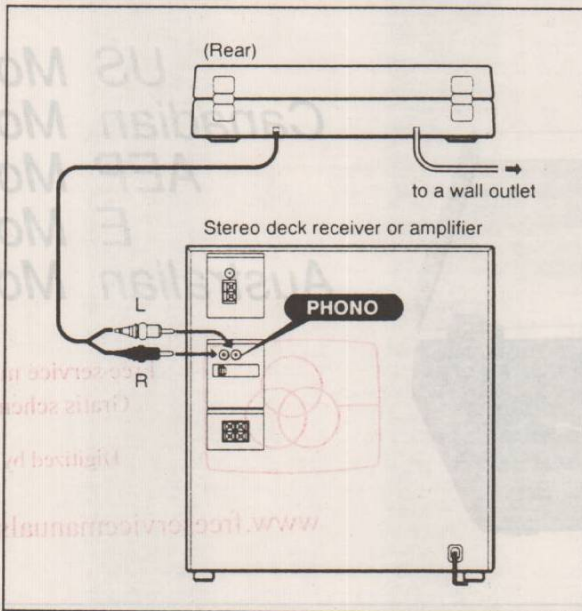
- 1 While holding the cartridge, detach the stylus assembly as illustrated.
- 2 Insert the new stylus into the cartridge.

STEREO TURNTABLE SYSTEM
SONY®



Connections

Turn all the power off before making connections, and connect the AC power cord last.



Note

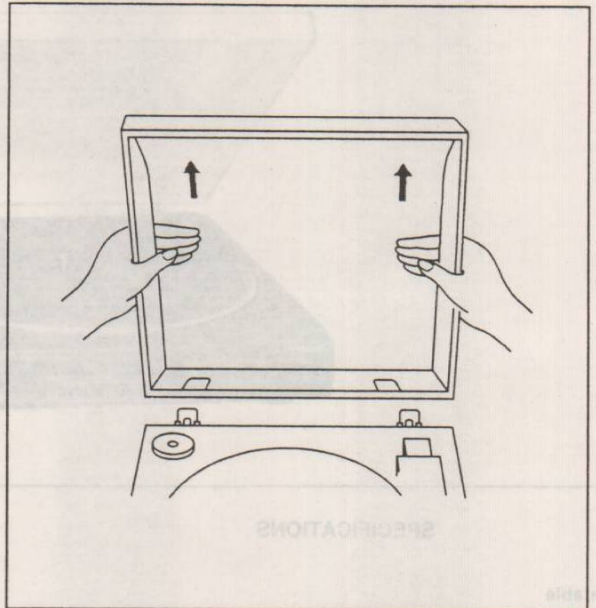
Connect the red plug to the right-channel jack (R), and the white plug to the left-channel jack (L).

Notes on installation

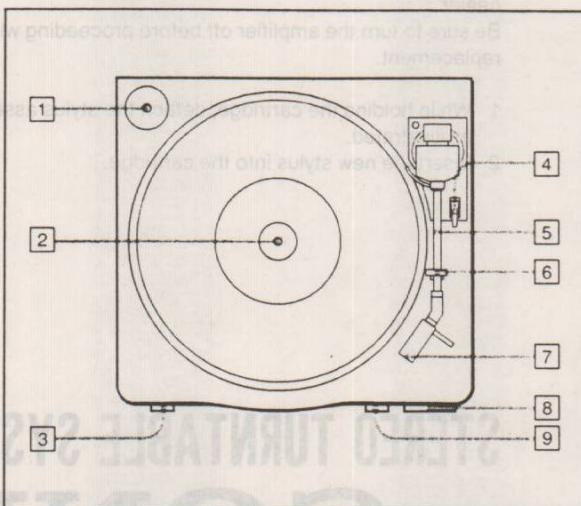
- Place the turntable on a level surface.
- Avoid placing the unit near electrical appliances (such as a television, hair dryer, or fluorescent lamp) which may cause hum or noise.
- Place the turntable where it will not be subject to any vibration, such as from speakers, slamming of doors, etc.
- Keep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

Removing the Dust Cover

Open the cover fully and pull it up.



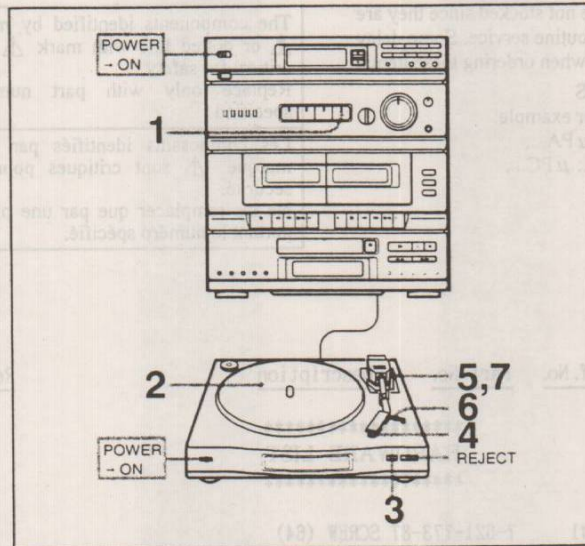
Location of Controls



- 1 45-r/min adaptor
- 2 Center spindle
- 3 POWER switch
- 4 Cueing lever
- 5 Tone arm
- 6 Armrest
- 7 Cartridge
- 8 REJECT button
- 9 SPEED selector

Playing Records

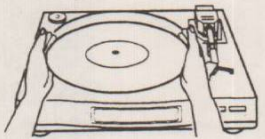
You can listen to records from the beginning or from a desired point.



1 Select the turntable (PHONO) with the function selector of the amplifier.

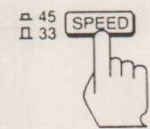


2 Place a record on the turntable.

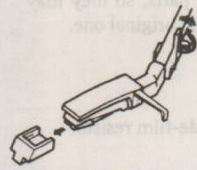


To play a 17-cm record
Use the supplied adaptor.

3 Select the speed with the SPEED selector.



4 Remove the cover from the cartridge, and release the tone arm from its armrest.



5 Set the cuing lever to ∇ .



6 Move the tone arm by hand to the desired point on the record.



7 Set the cuing lever to ∇ .



When the record is played to the end, the tone arm returns to the armrest and the turntable stops.

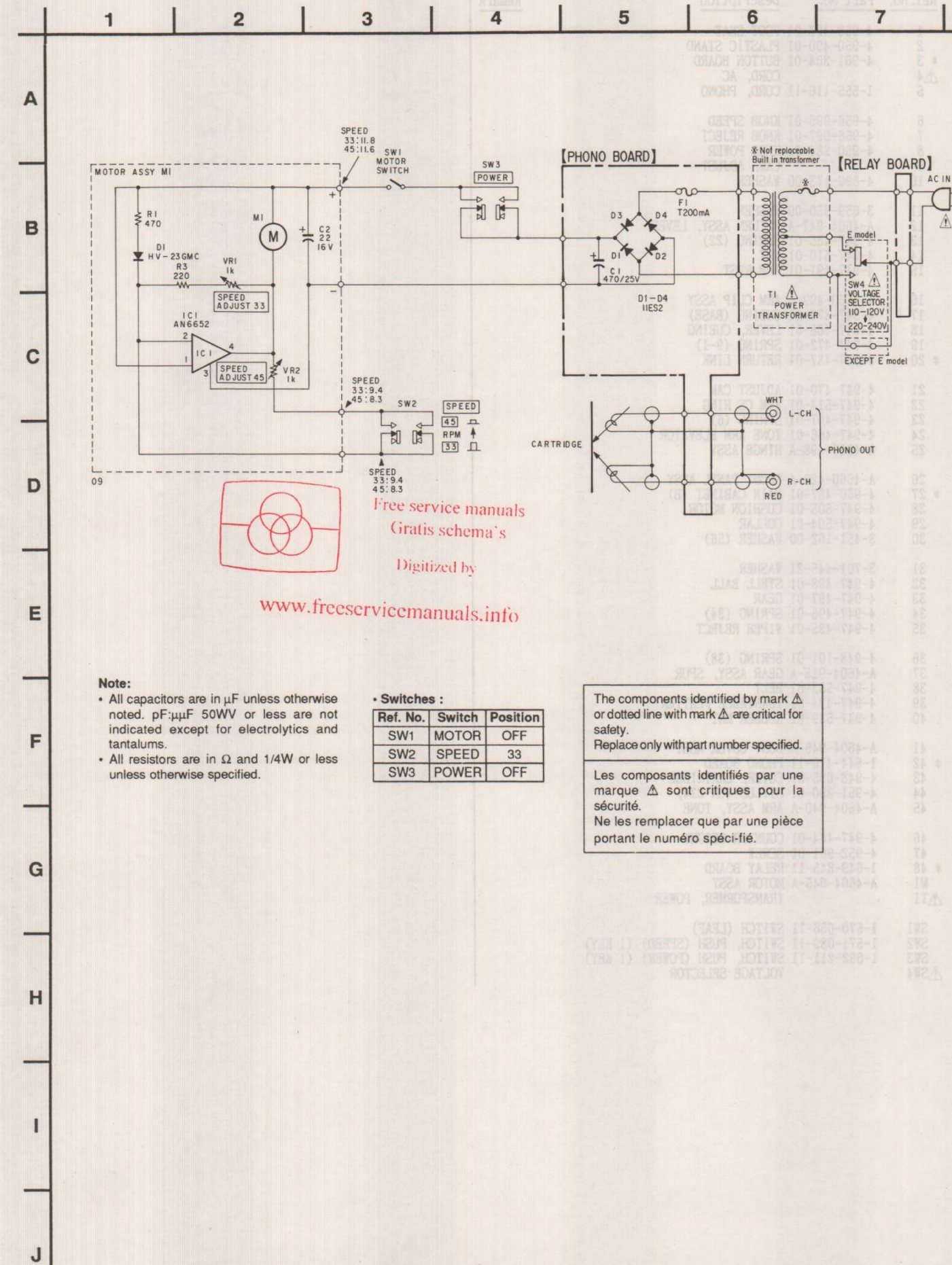
To stop during play, press the REJECT button.

To play a different part of the record
Lift the tone arm by setting the cuing lever to ∇ , move the tone arm by hand to the desired point, then set the cuing lever to ∇ .

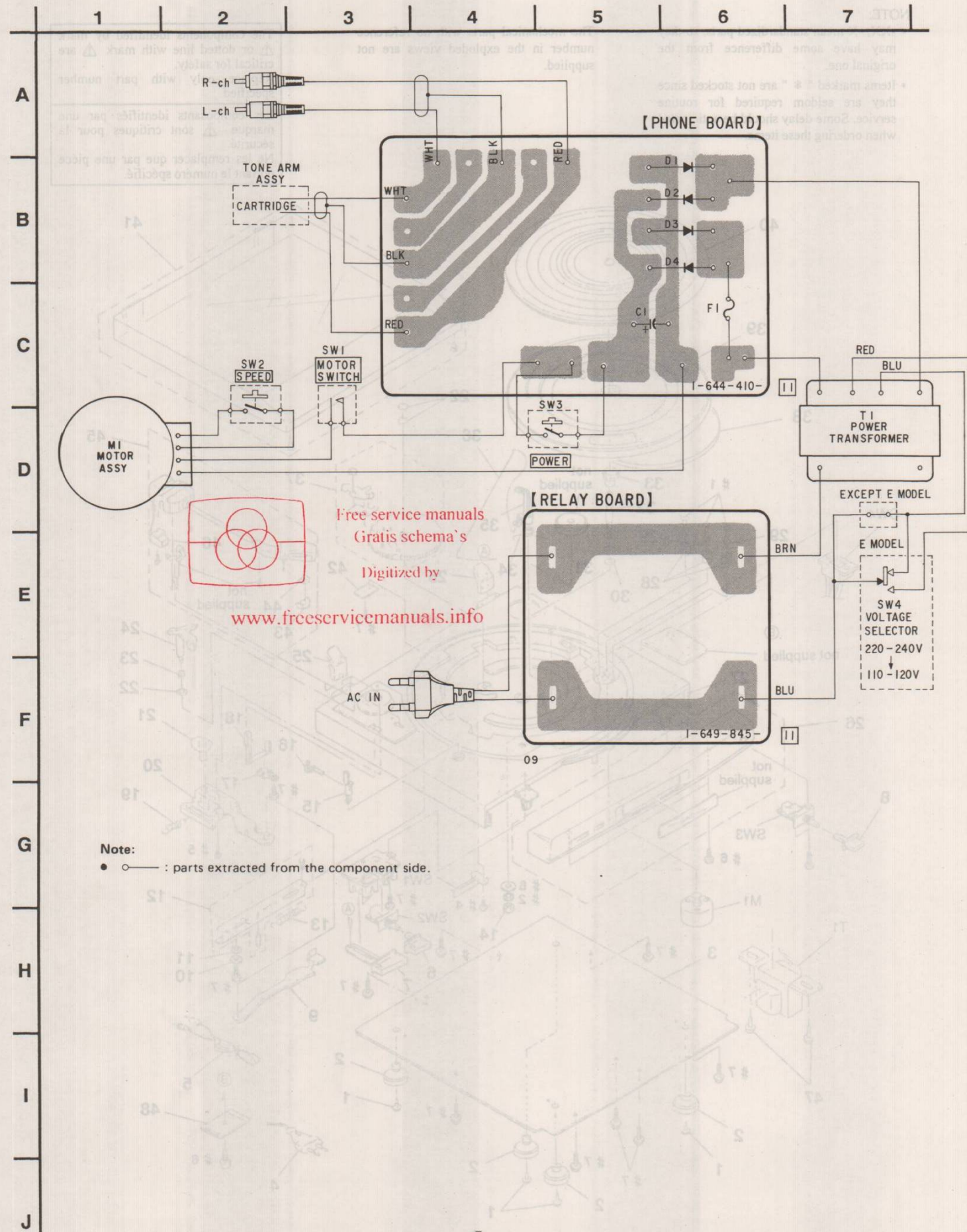
If the tone arm moves outward when you move it close to the center
Do not resist this movement, as it may damage the automatic return mechanism.

If the tone arm does not return to its armrest
Press the REJECT button.

SCHEMATIC DIAGRAM



WIRING DIAGRAM



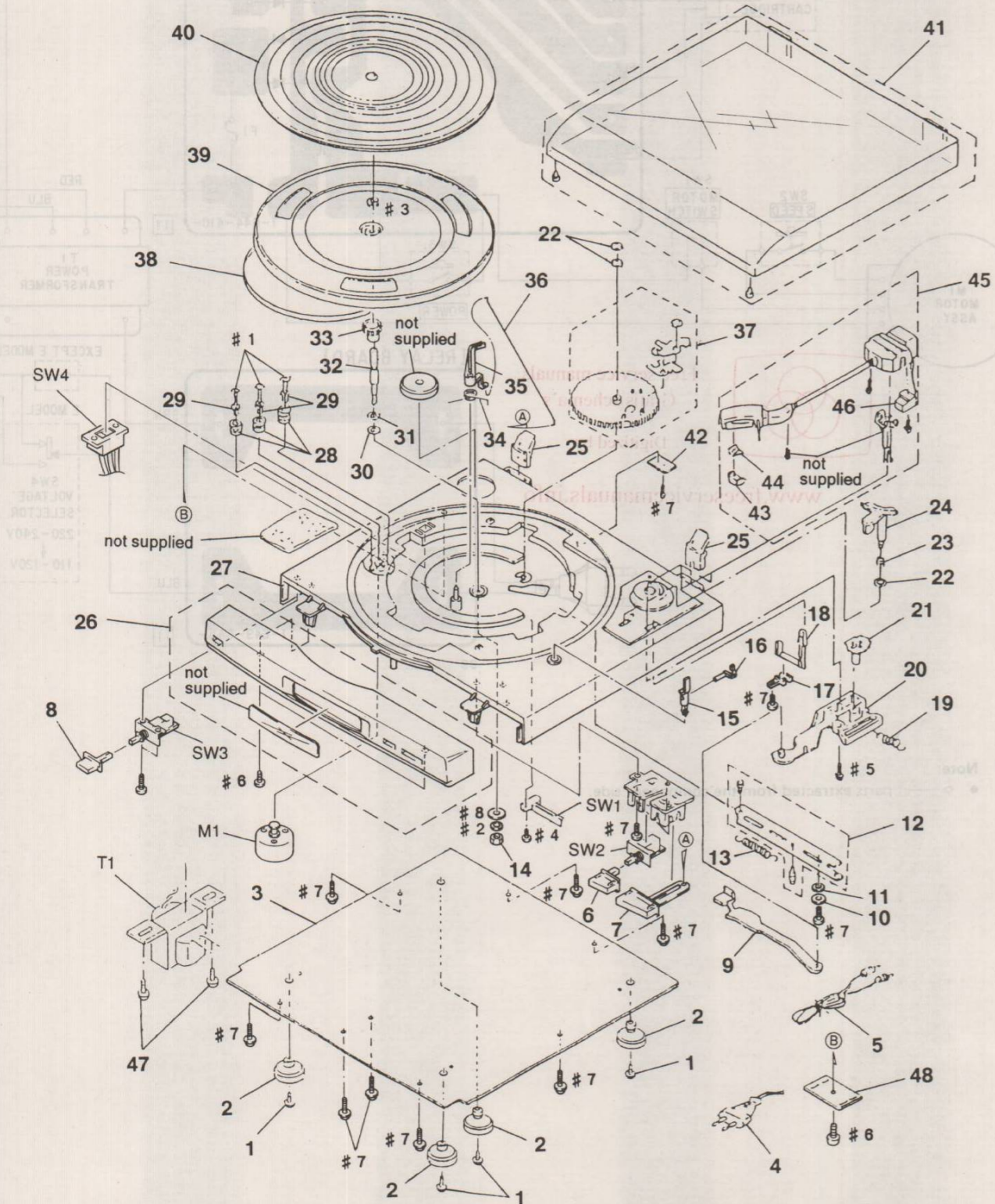
EXPLODED VIEW

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 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
1	4-950-497-01	FOOT SEAT	
2	4-950-490-01	PLASTIC STAND	
* 3	4-961-804-01	BUTTON BOARD	
Δ 4		CORD, AC	
5	1-555-116-11	CORD, PHONO	
6	4-956-996-01	KNOB SPEED	
7	4-956-997-01	KNOB REJECT	
8	4-960-284-01	KNOB POWER	
9		CAM, ADJUST	
10	4-890-173-00	WASHER	
11	3-659-350-00	WASHER	
12	A-4604-947-A	RETURN ASSY, LEVER	
13	4-947-485-01	SPRING (22)	
14	4-947-510-01	NUT	
15	4-947-491-01	ARM REST	
16	A-4660-499-A	ARM CLIP ASSY	
17	4-947-477-01	CUEING (BASE)	
18	4-947-468-01	LEVER, CUEING	
19	4-947-472-01	SPRING (9-1)	
* 20	4-947-487-01	RETURN LINK	
21	4-947-470-01	ADJUST CAM	
22	4-947-514-01	4MM CS RING	
23	4-947-467-01	SPRING (6)	
24	4-947-466-01	TOPE ARM ELEVATOR	
25	A-4660-498-A	HINGE ASSY	
26	A-4660-423-A	FRONT PANEL ASSY	
* 27	4-950-487-01	MAIN CABINET (B)	
28	4-947-505-01	CUSHION MOTOR	
29	4-947-504-01	COLLAR	
30	3-451-162-00	WASHER (56)	
31	3-701-445-21	WASHER	
32	4-947-498-01	STELL BALL	
33	4-947-497-01	GEAR	
34	4-947-496-01	SPRING (34)	
35	4-947-495-01	WIPER REJECT	
36	4-948-101-01	SPRING (38)	
37	A-4604-916-A	GEAR ASSY, SPUR	
38	4-947-503-01	BELT	
39	4-947-494-01	TURNTABLE PLATTER	
40	4-947-539-01	RUBBER MAT	
41	A-4604-946-A	DUST COVER ASSY	
* 42	1-644-410-11	PHONO BOARD	
43	4-948-095-01	COVER, CARTRIDGE	
44	4-951-290-01	STYLUS (CN-234)	
45	A-4604-940-A	ARM ASSY, TONE	
46	4-947-464-01	COUNTER WEIGHT	
47	4-952-961-01	SCREW	
* 48	1-649-845-11	RELAY BOARD	
M1	A-4604-945-A	MOTOR ASSY TRANSFORMER, POWER	
Δ T1			
SW1	1-570-666-11	SWITCH (LEAF)	
SW2	1-571-089-11	SWITCH, PUSH (SPEED) (1 KEY)	
SW3	1-692-211-11	SWITCH, PUSH (POWER) (1 KEY)	
Δ SW4		VOLTAGE SELECTOR	

PS-LX52Y

PHONO RELAY

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
- Hardware (# mark) list is given in the last of this parts list.

- 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
*	1-644-410-11	PHONO BOARD				***** HARDWARE LIST *****	
		< CAPACITOR >					
C1	1-126-012-11	ELECT 470uF	16V	#1	7-621-773-87	SCREW (64)	
		< DIODE >		#2	7-623-210-22	WASHER (57)	
D1	8-719-200-82	DIODE 11ES2		#3	7-624-110-04	6MM E RING	
D2	8-719-200-82	DIODE 11ES2		#4	7-685-105-01	SCREW (59)	
D3	8-719-200-82	DIODE 11ES2		#5	7-685-645-79	SCREW (68)	
D4	8-719-200-82	DIODE 11ES2		#6	7-685-646-79	SCREW (60)	
		< FUSE >		#7	7-685-647-79	SCREW (58)	
Δ F1	1-532-613-XX	FUSE TIME-LAG (T200mA)		#8	7-688-005-01	WASHER (69)	

*	1-649-845-11	RELAY BOARD					

		ACCESSORIES & PACKING MATERIALS					

		3-757-187-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE)				
		3-757-187-21	MANUAL, INSTRUCTION (ENGLISH)				
		3-757-187-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN)				
		3-757-187-51	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE)				
		3-757-187-61	MANUAL, INSTRUCTION (ENGLISH, GERMAN, RUSSIAN, POLISH)				
		4-947-532-01	SNOW BOX (L)				
		4-947-533-01	SNOW BOX (R)				

PS-LX52Y

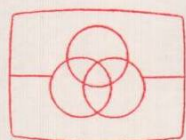
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SONY SERVICE MANUAL

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SUPPLEMENT-1

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Subject :

1. Parts Number Registration
2. Correction

Page	Ref No.	Parts No.	Description	Remark
7	△ 4	1-575-975-11	CORD AC (US, Canadian)	
	△	1-575-651-61	CORD AC (AEP, SP, EA, MY)	
	△	1-590-074-11	CORD AC (E, PX)	
	△	1-696-848-11	CORD AC (AUS)	
	9	4-947-487-01	RETURN LINK	
	△ T1	1-450-987-41	TRANSFORMER, POWER (US, Canadian)	
	△	1-450-987-11	TRANSFORMER, POWER (AEP)	
	△	1-450-987-21	TRANSFORMER, POWER (E, PX, AUS, EA, SP)	
	△	1-450-987-31	TRANSFORMER, POWER (MY)	
	△ SW4	1-692-835-11	VOLTAGE SELECTOR (E, AUS, SP, MY)	

CORRECTION

✂ : indicated corrected portion.

Page	Correct				Incorrect			
	Ref No.	Parts No.	Description	Remark	Ref No.	Parts No.	Description	Remark
7	19	4-947-472-01	SPRING		19	4-963-537-01	SPRING	
	20	4-947-478-01	RETURN LINK		20	✂ 4-963-536-01	RETURN LINK	
	21	4-947-470-01	ADJUST CAM		21	✂ 4-963-535-01	ADJUST CAM	

AUS : Australian model
EA : Saudi Arabia model
MY : Malaysia model
SP : Singapore model

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

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

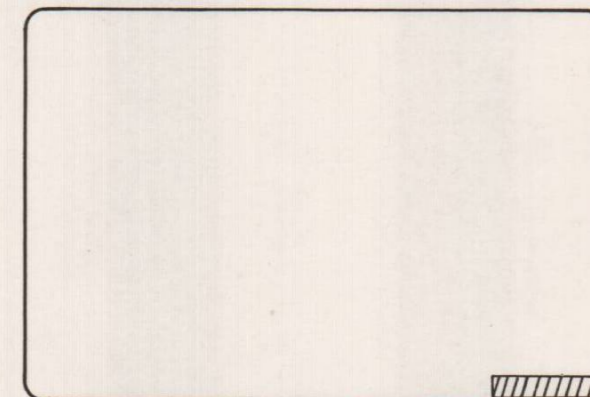
CORRECTION-1

Correct your service manual as shown below.

✂ : indicates Corrected portion.

Page	Incorrect			Correct		
	No.	Part No.	Description	No.	Part No.	Description
7	*42	1-644-410-11	PHONO BOARD	*42	1-652-482-11	PHONO BOARD

Page 5 WIRING DIAGRAM [PHONO BOARD]



1-652-482-11