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# STEREO TURNTABLE SYSTEM

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# PS-LX57

## OPERATING INSTRUCTIONS

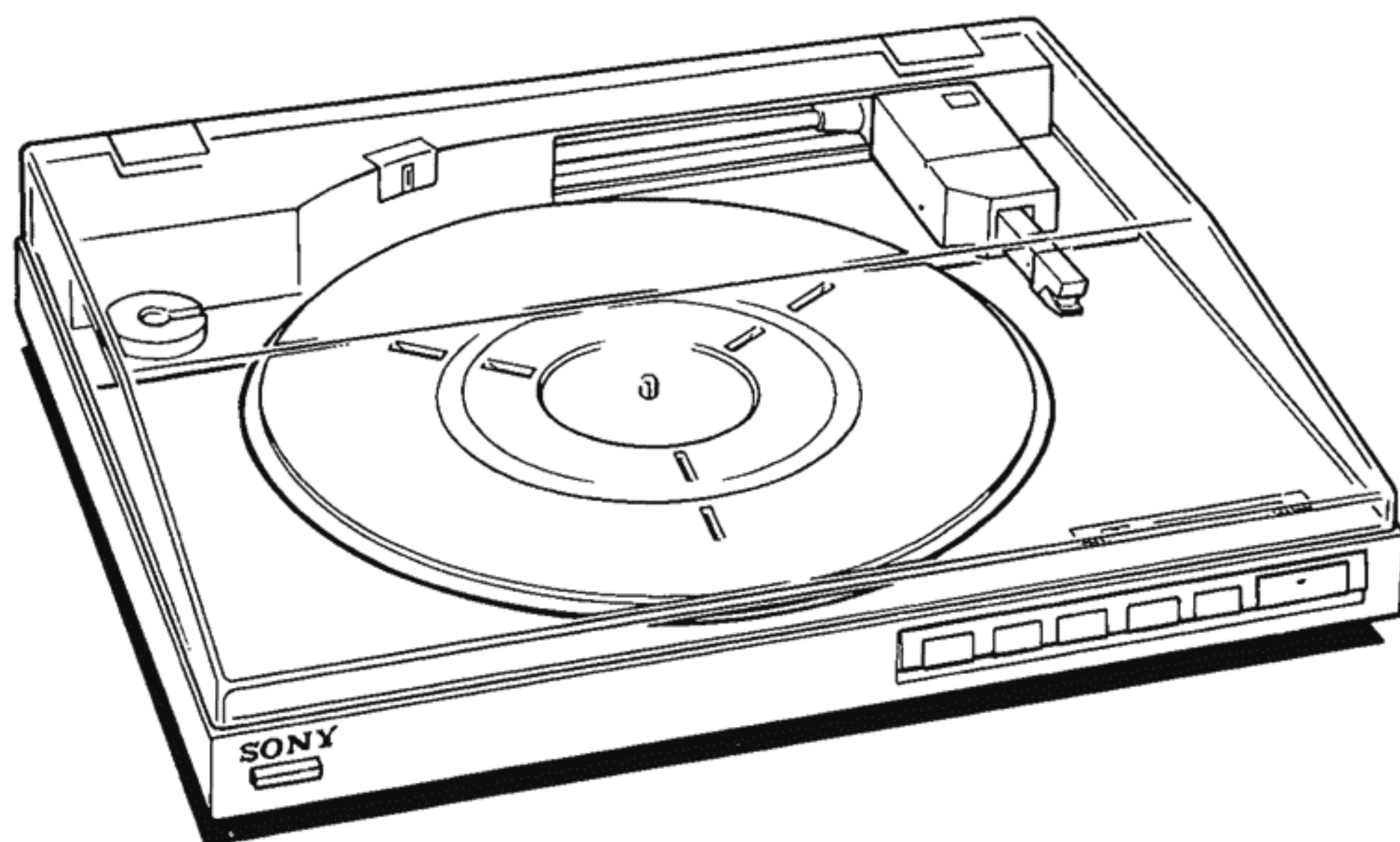
Before operating the unit, please read this manual thoroughly and retain it for future reference.

## OWNER'S RECORD

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

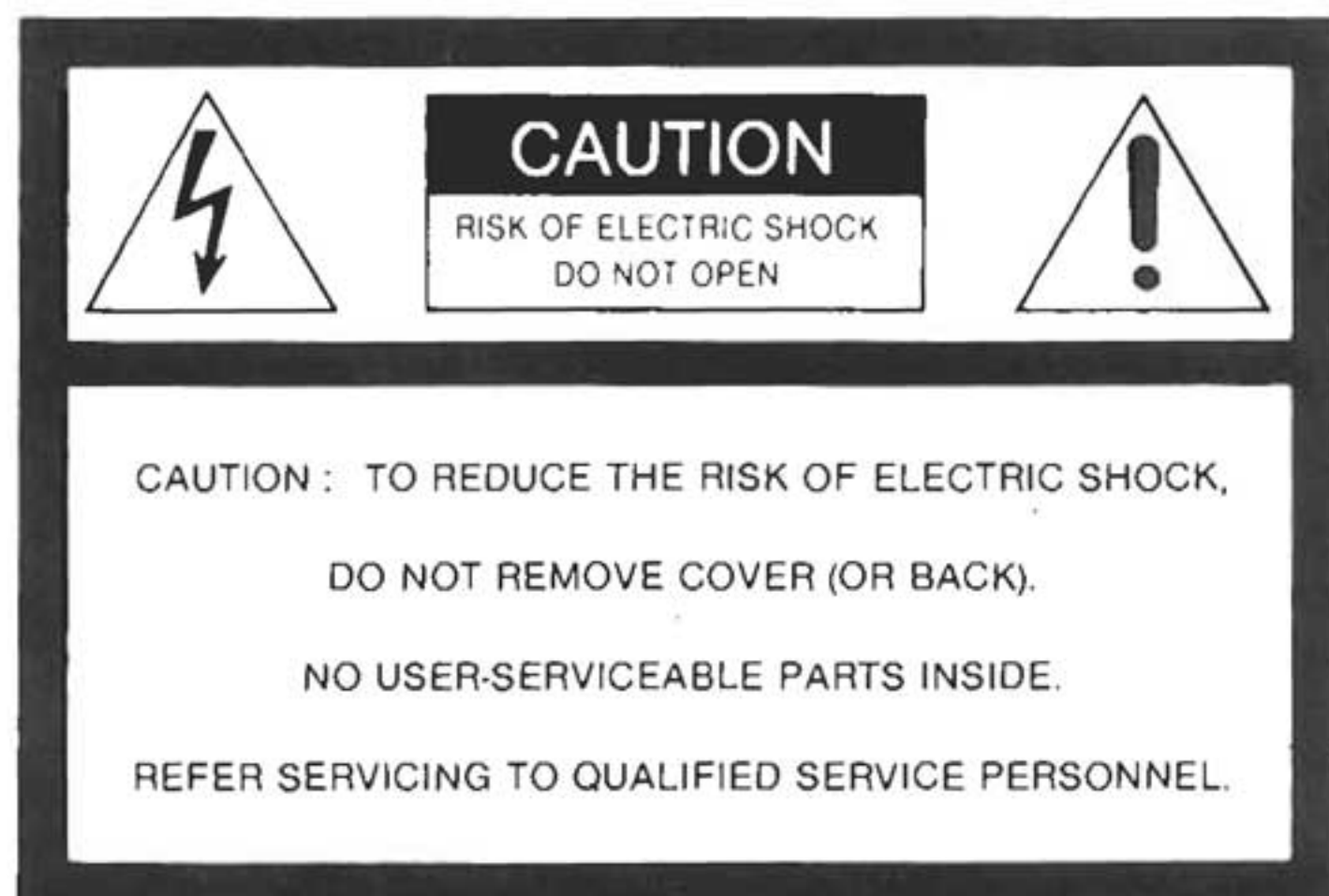
Model No. PS-LX57

Serial No. \_\_\_\_\_



# WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

\* The graphical symbols are on the bottom enclosure.

## INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient the receiving antenna

- Relocate the equipment with respect to the receiver

- Move the equipment away from the receiver

- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful :

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.



# TABLE OF CONTENTS

Precautions ..... 3

Location and function of controls ..... 4

## PREPARATIONS

Turntable assembly ..... 5

Cartridge installation ..... 6

Connections ..... 6

    Basic connection ..... 6

    Remote control cord connection ..... 7

    Synchro remote control cord connection ..... 7

## OPERATIONS

Record playing ..... 8

    Auto play ..... 8

    Auto-record-size selection system ..... 9

    Manual play—to begin record play at a particular point ..... 10

Synchronized play of the turntable and a cassette deck ..... 11

## GENERAL

Specifications ..... back cover

Trouble checks ..... back cover

# PRECAUTIONS

### On safety

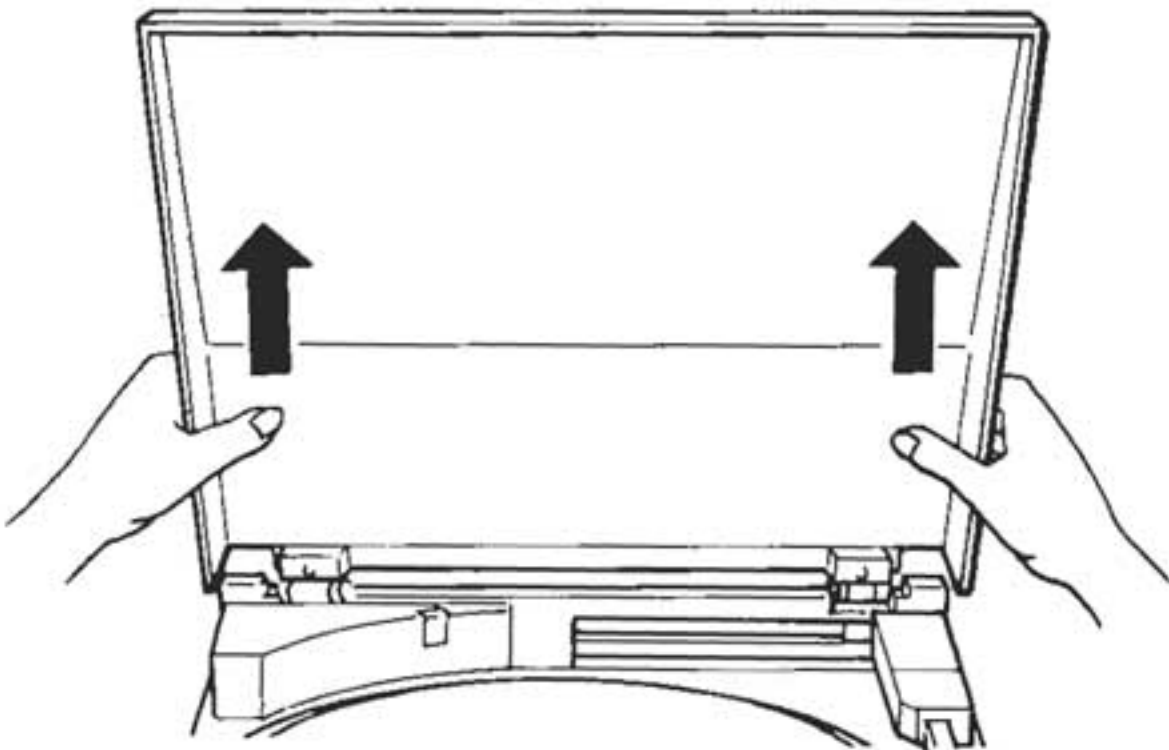
- Operate the unit only on 120 V AC, 60 Hz.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

### 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.

### On dust cover removal

Open the dust cover fully and slide it upward with both hands.



### On repacking

Do not throw away the carton and packing materials. It is an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton box.

Before repacking, secure the tonearm using the arm clamp, spacers and transit screws as illustrated on page 5.

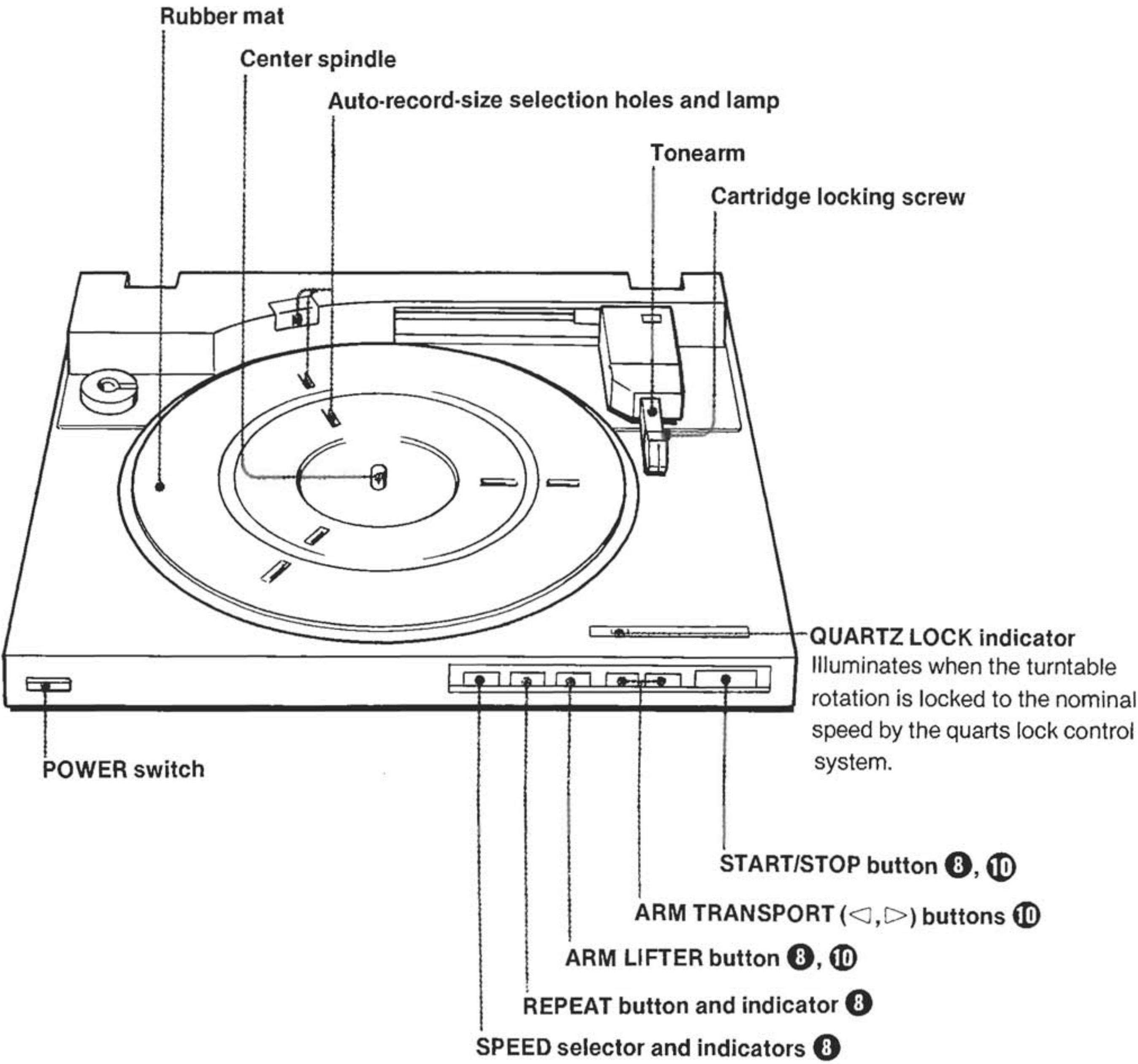
### On cleaning

- Before playing a record, clean the stylus with a soft brush. Brush the stylus from back to front. Never attempt to clean the stylus with your finger tip. If a fluid stylus cleaner is used, make sure not to moisten the stylus too much.
- Clean the cabinet and dust cover periodically with a soft dry cloth. If the stains are difficult to remove, use a cloth moistened with a mild detergent solution. Do not use solvents such as alcohol, benzine or thinner, since they will damage the finish.

For detailed precautions, see the leaflet "IMPORTANT SAFEGUARDS".

# LOCATION AND FUNCTION OF CONTROLS

For details, refer to the pages indicated in ●.





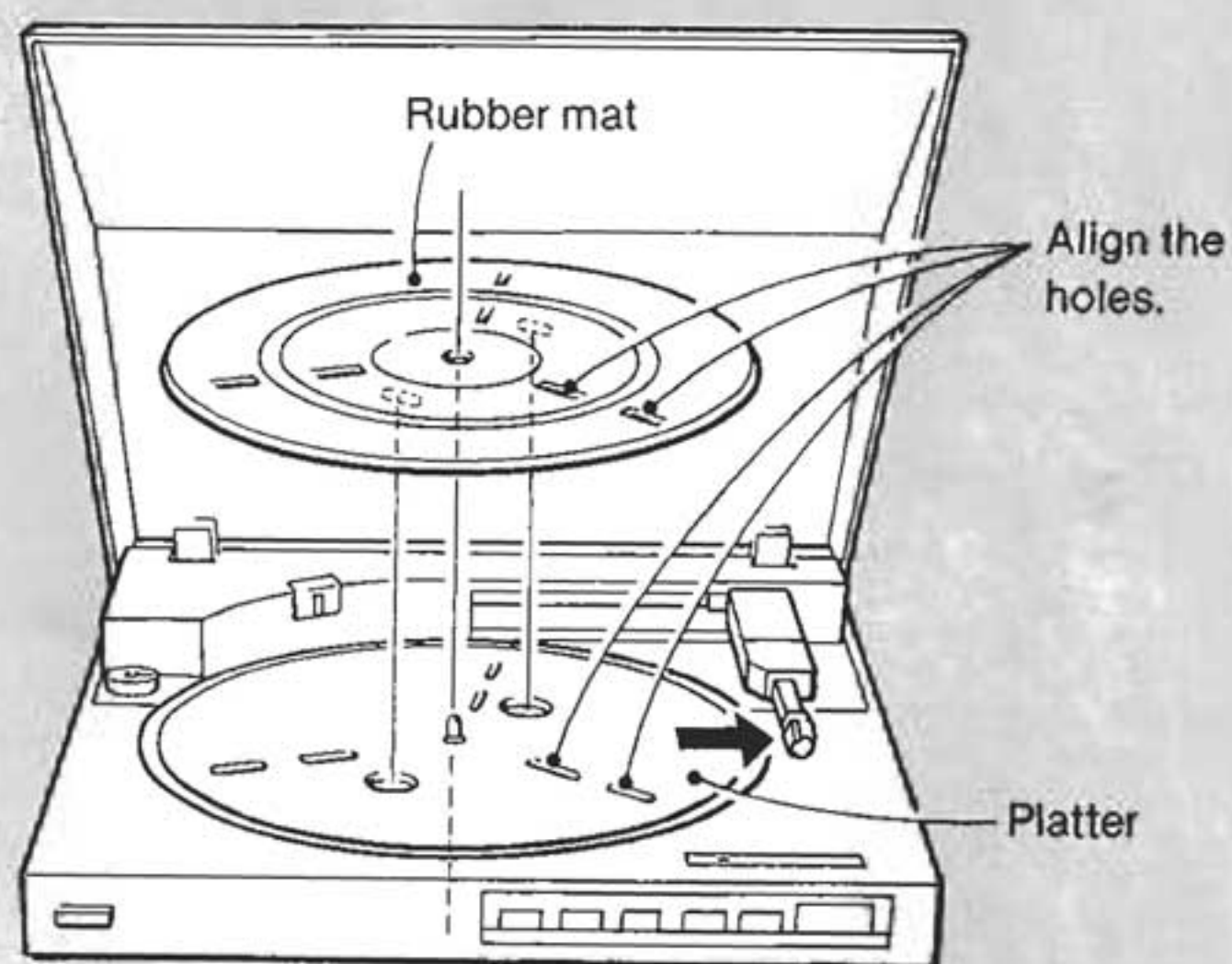
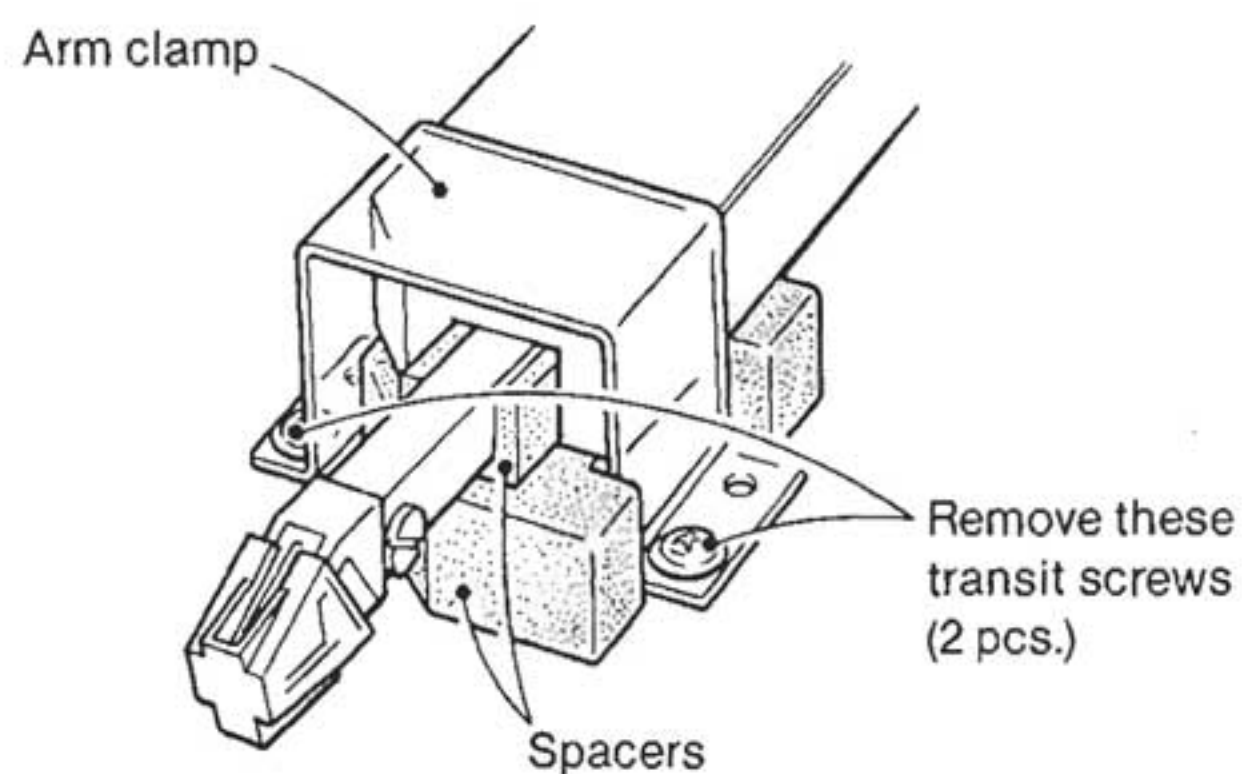
# TURNTABLE ASSEMBLY

## Caution

Do not connect the connecting cords until the turntable has been completely assembled.

## Preparations

Remove the two transit screws, the arm clamp and spacers.



**1** Connect the power cord to an AC outlet and press **POWER**.

The tonearm moves to the arm rest position.

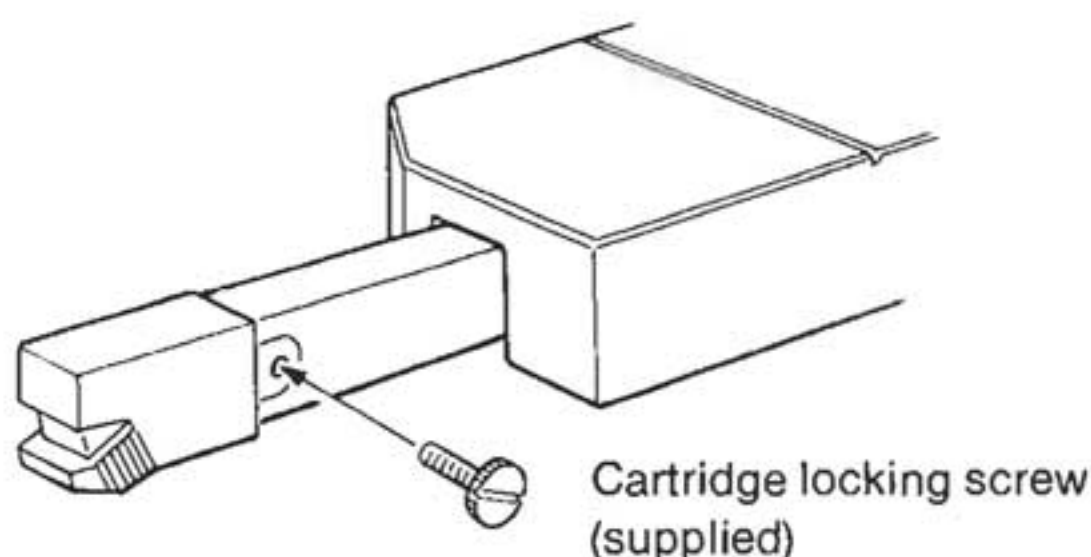
**2** Place the platter on the motor board.

**3** Place the rubber mat on the platter by aligning the holes for auto record size selection.

# CARTRIDGE INSTALLATION

A cartridge with **T4P** label (optional) can be installed.

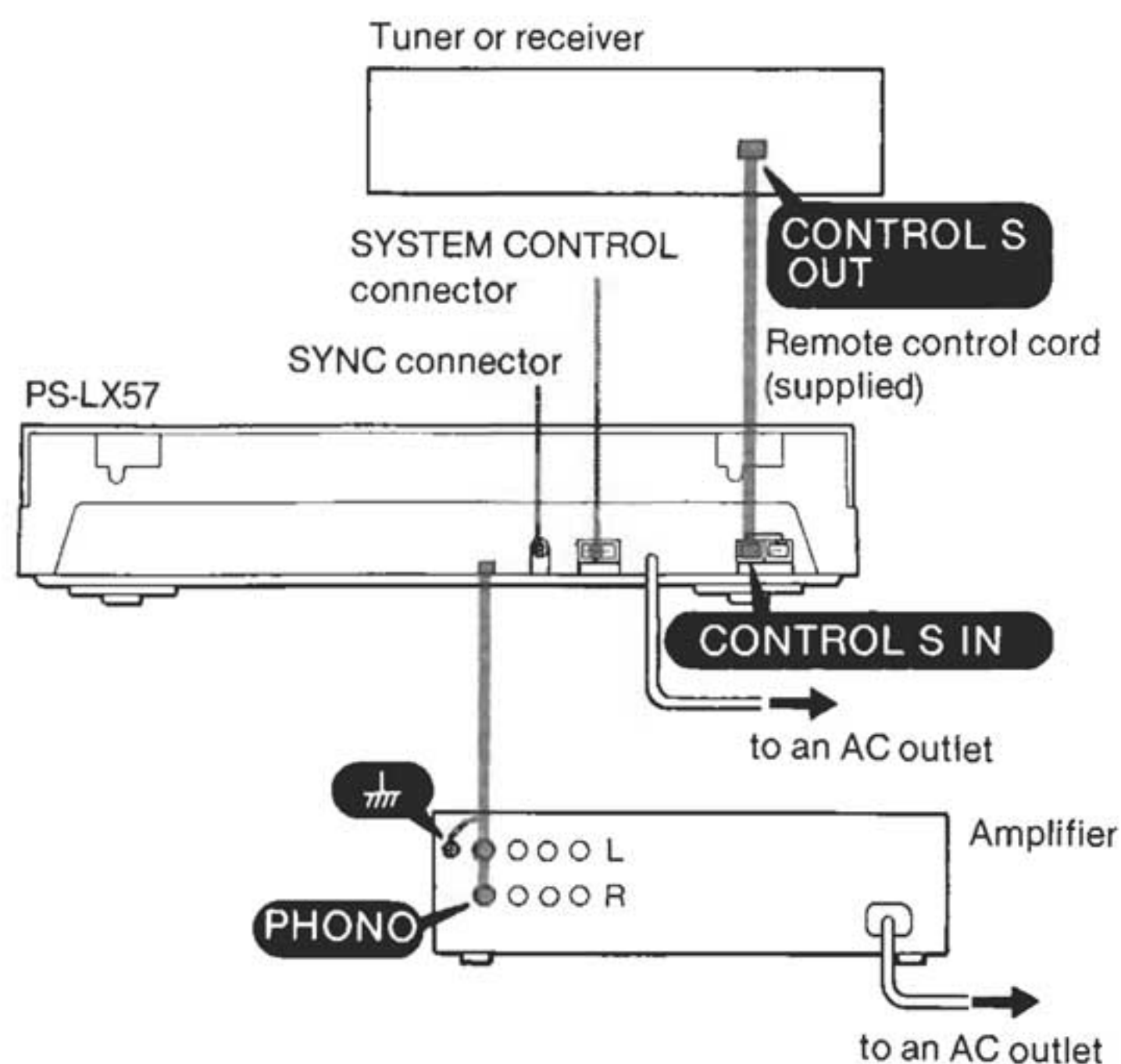
The **T4P** label indicates that a cartridge is standardized plug-in type.



Plug the cartridge (optional) into the tonearm and tighten the cartridge locking screw firmly. The screw cannot be installed from the opposite direction.

# CONNECTIONS

## BASIC CONNECTION

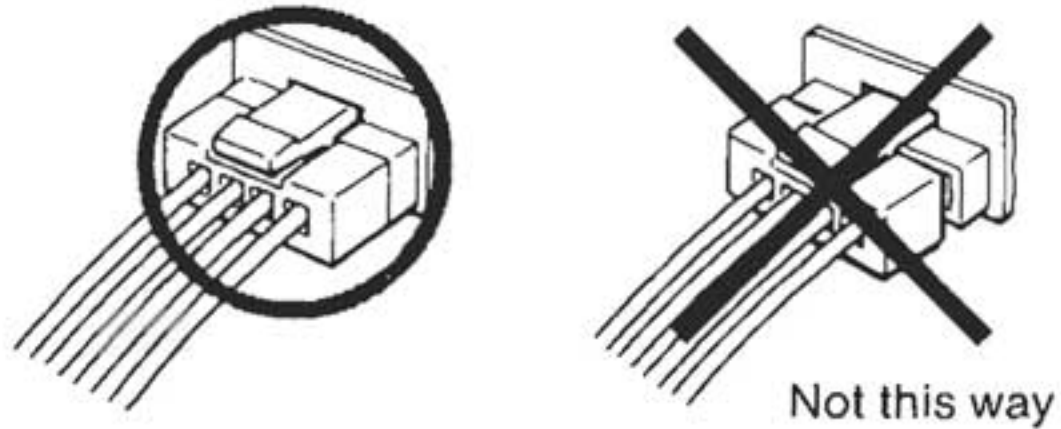


### Notes on connection

- Turn off the amplifier before making connections.
- Be sure to connect the red plug of the connecting cord to the right (R) jack and the remaining one to the left (L). The cable connectors should be fully inserted into the jacks. A loose connection may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.
- If the turntable causes interference to radio and television reception, turn off the turntable or move it away from the receiver.

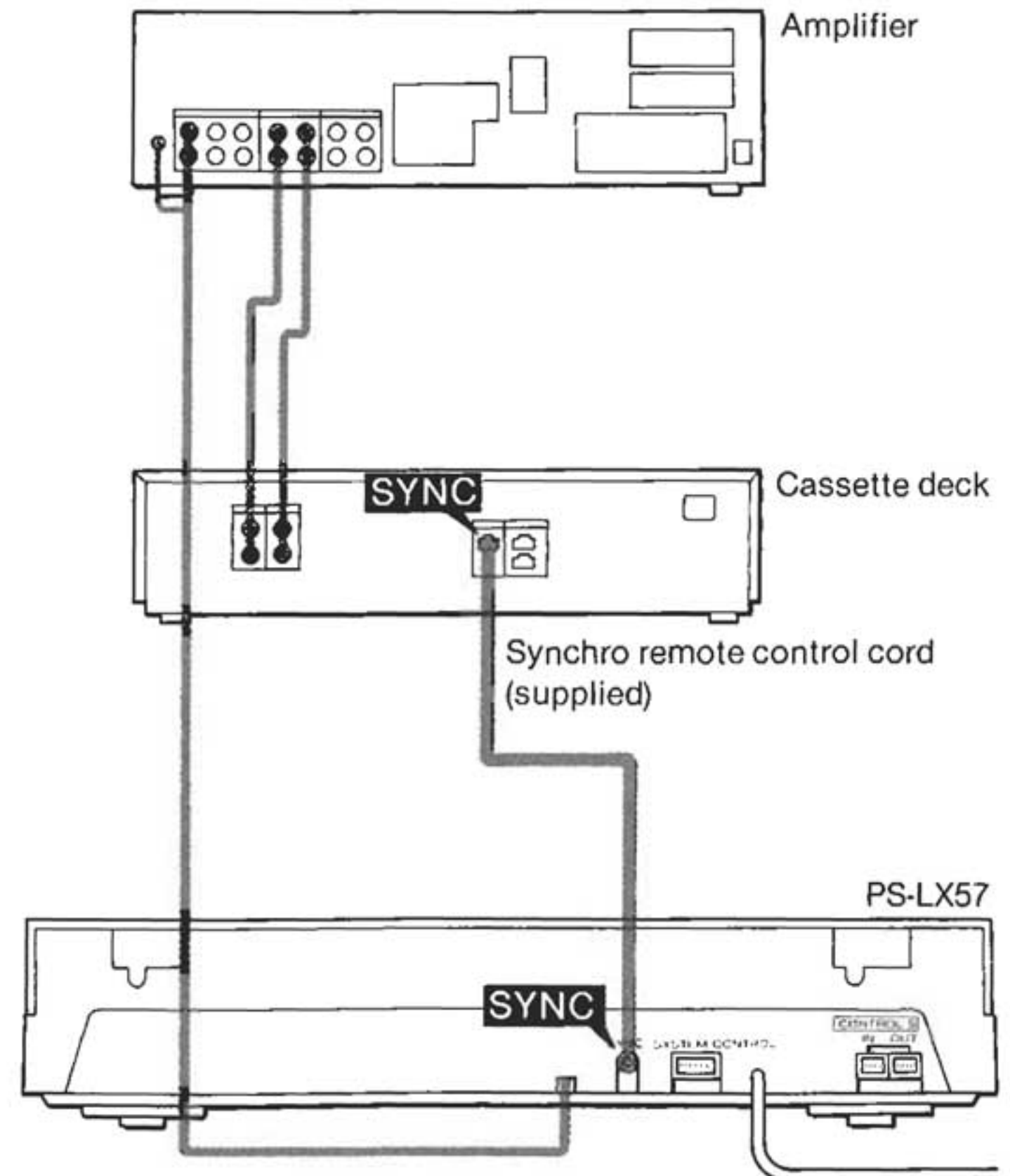
## REMOTE CONTROL CORD CONNECTION

Connect the supplied remote control cord to the CONTROL S IN connector for the total system remote control.



## SYNCHRO REMOTE CONTROL CORD CONNECTION

Connect the supplied synchro remote control cord for the synchronized play of the turntable and a cassette deck. This function is convenient for making an original music tape by changing the order of music in a record or by selecting your favorite music from several records. For details, see page 11.



### Notes on remote control cord connection

- Be sure to insert the cord securely.
- To disconnect the cord, press the center tab and pull out the connector. Do not pull the cord itself.

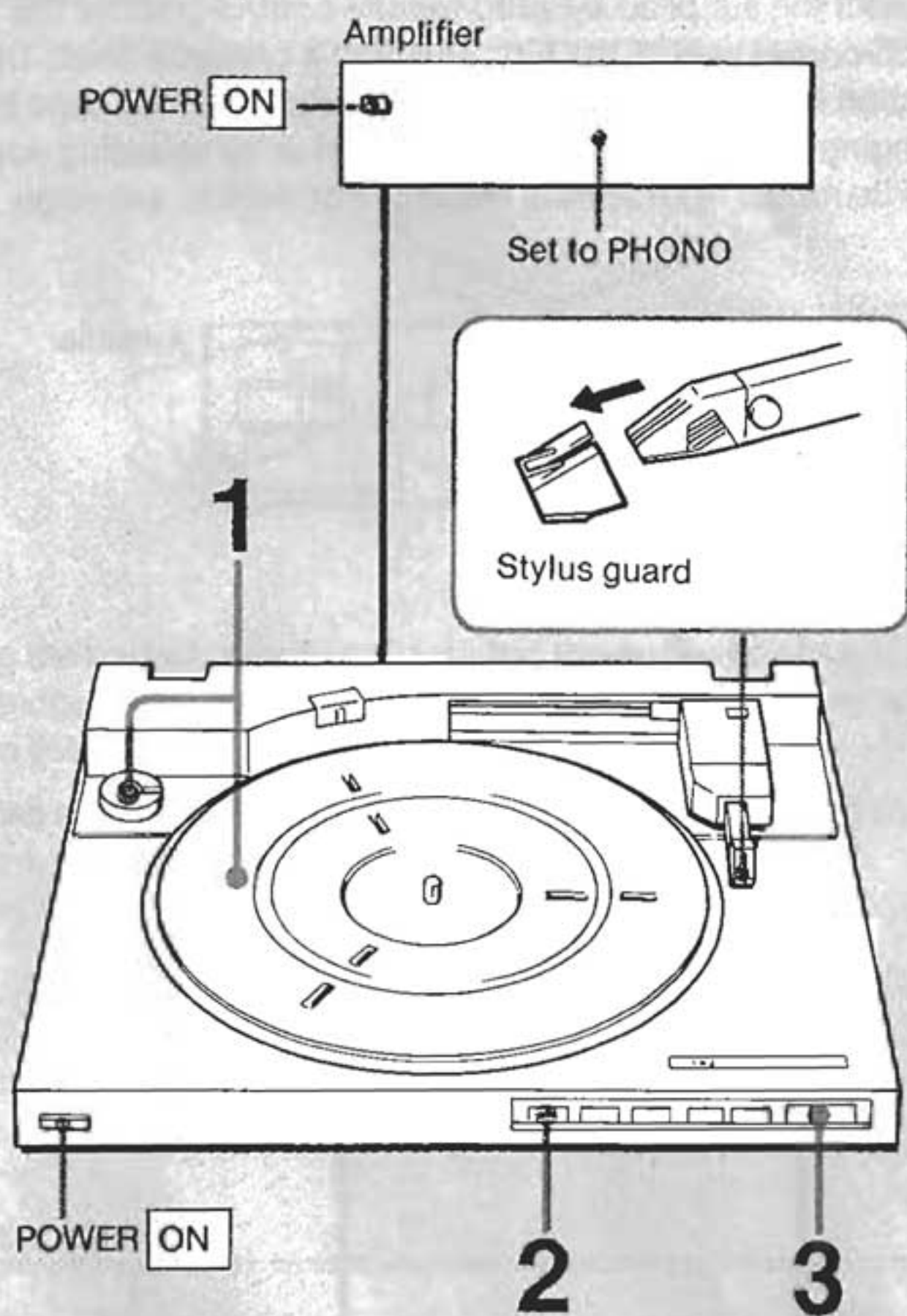
### Connecting the optional RM-44 system remote controller

Connect the SYSTEM CONTROL connector to the PHONO connector of the optional RM-44 system remote controller for remote control operation. In this case, do not connect audio equipment to the CONTROL S connectors to prevent malfunction of the remote control system.



# RECORD PLAYING

## AUTO PLAY



### 1 Place record on platter.

For 17 cm (7 inch) records, use the supplied 45-rpm adaptor.

### 2 Set SPEED selector.

### 3 Press START/STOP.

Playing starts.

Adjust volume of the amplifier or stereo system.

### When the record has finished playing

When the tonearm reaches the end of the record, it will automatically return to the arm rest.

### To stop during play

Press START/STOP. Tonearm will automatically lift up and return to arm rest.

### To lift up the tonearm during play

Press ARM LIFTER.

To resume play from the same point, press ARM LIFTER again.

### To repeat play

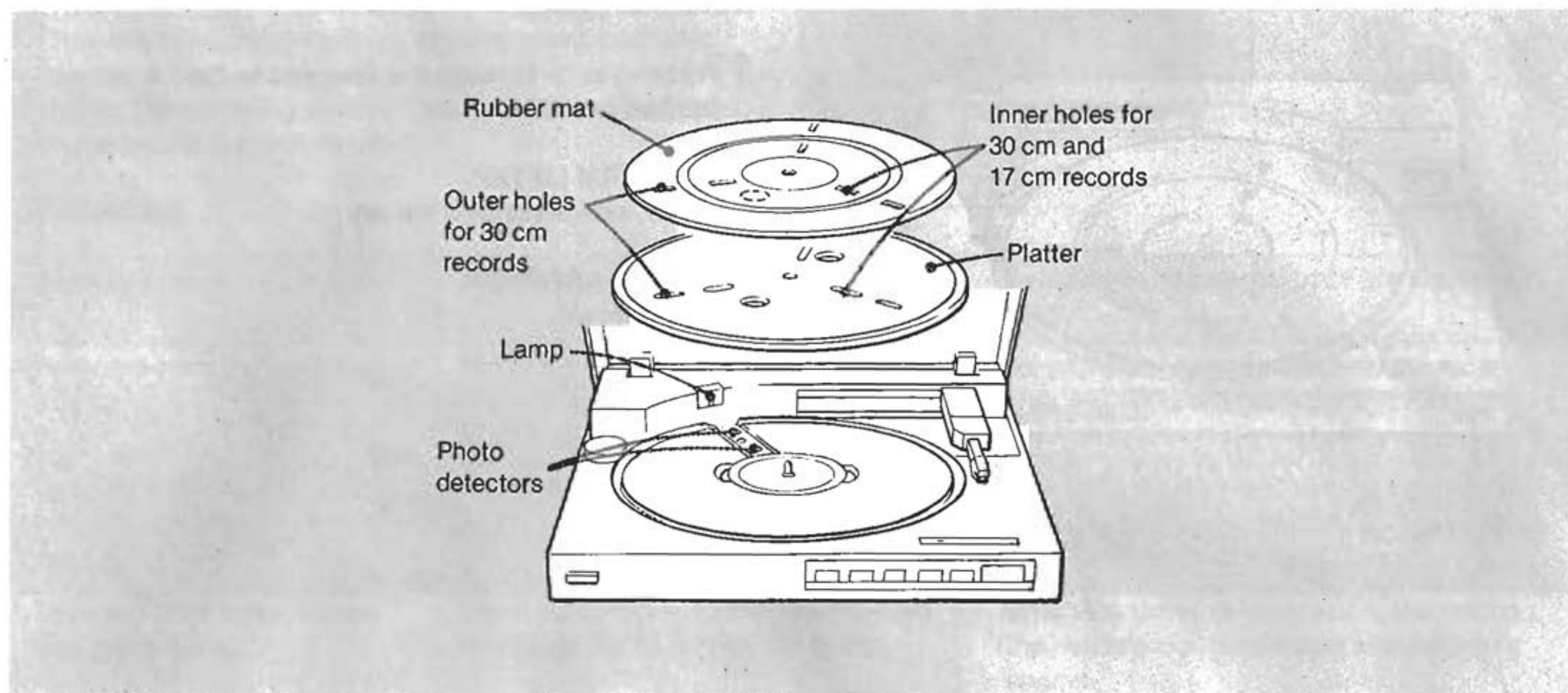
- Press REPEAT either before or after starting play. To cancel, press again.
- Transparent records and 25 cm(10 in.) records cannot be played repeatedly.

### Tips on record handling

- Before playing, clean the record with a record cleaner or soft cloth. If a spray cleaner is used, make sure that it has dried completely before playing the record.
- Handle a record by its edges and do not touch the grooves.
- Use a commercially available anti-static spray to neutralize the static electricity on a record.
- Avoid exposing a record to direct sunlight or sources of heat, such as a hot-air duct.
- Store your records vertically. They should not be compressed.

## AUTO-RECORD-SIZE SELECTION SYSTEM

The auto-record-size selection system detects whether there is a record or not on the platter and also to determine the record size by using a beam. This system only works during auto play.



### Auto-record-size selection does not work in the following cases

- 25 cm record
- A transparent record
- A badly warped record

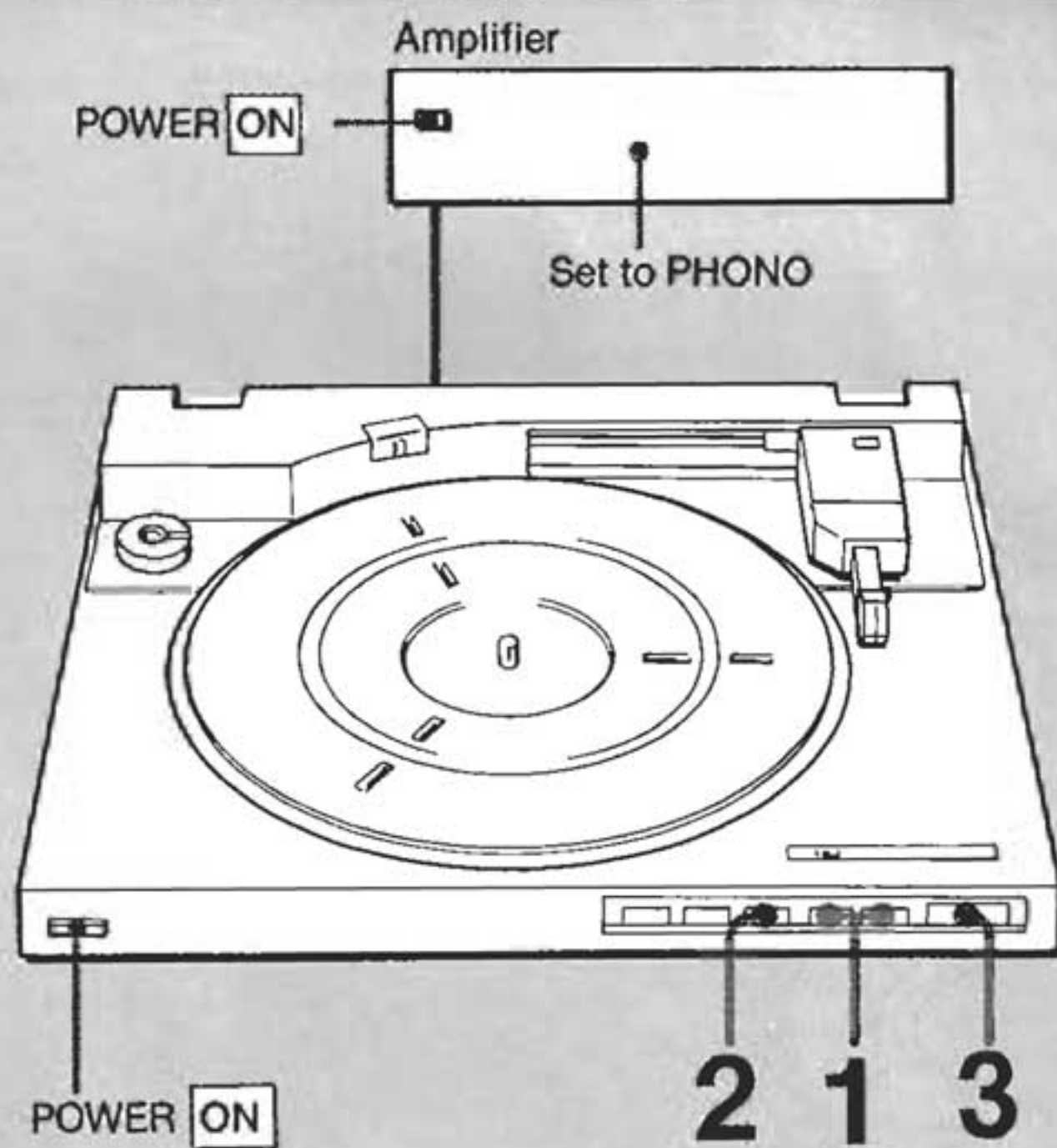
To play those records, proceed as in "Manual play". Auto-return will not activate for those records, either. Press START/STOP to return the tonearm to arm rest at the end of the record.

### When the play does not start

The beam sometimes passes through the normal record as in a transparent record. Play these records as in "Manual play".



## MANUAL PLAY — to begin record play at a particular point



After performing steps 1 and 2 in "Auto play", proceed as follows:

- 1** Press ◀ or ▶ to move the tonearm to the desired position.
- 2** Press ARM LIFTER.  
The stylus lowers onto the record.
- 3** Press START/STOP.  
Playing starts.



# SYNCHRONIZED PLAY OF THE TURNTABLE AND A CASSETTE DECK

Synchronized play activates only for the cassette decks which are equipped with a 3-pin remote control connector. Or for the cassette decks which have 4-pin or 5-pin remote control jack, the RM-65 synchro remote control unit (optional) is required to connect the turntable and the cassette deck.  
For connection, see page 7.

## PREPARATION

- 1 Turn the amplifier on and set its input selector to PHONO.
- 2 Turn the turntable system on, place a record and select the correct record speed.
- 3 Adjust the recording level on the cassette deck and set it in the record stand-by mode.

## RECORDING

Desired action	Turntable operation	Synchronized operation of the cassette deck
To record from the beginning of a record...	Press the START/STOP button.	When the tonearm lowers onto the record, the pause mode is released and recording begins.
To lift up the tonearm to move to a different point on a record...	Press the ARM TRANSPORT button.	When the tonearm is lifted up, auto record muting activates for four seconds, and then the pause mode is assumed.
To record from a point some way in the record...	Move the tonearm to the desired point and press the START/STOP button.	When the tonearm lowers onto the record, the pause mode is released and recording begins.
To stop recording during record play...	Press the START/STOP button.	When the tonearm is lifted up, auto record muting activates for four seconds, and then the pause mode is assumed.
When record play ends...	The tonearm returns automatically to the arm rest position.	When the tonearm is lifted up, auto record muting activates for four seconds, and then the pause mode is assumed.

### Notes on synchronized play

- When the PS-LX57 is not in use, be sure to set the POWER switch to OFF (⏻).
- When synchronized recording is not required, be sure to disconnect the synchro remote control cord. If the RM-65 synchro remote control unit is used, be sure to set the SYNCHRO switch to OFF.
- Be sure to connect both synchro remote control cord and audio cord. Otherwise, synchro operation is not possible.

# SPECIFICATIONS

## Turntable

Platter	30 cm (12 in.), aluminum-alloy diecast
Motor	BSL (brushless and slotless) motor
Drive system	Direct drive
Control system	Quartz lock servo control system
Speed	33 $\frac{1}{3}$ rpm, 45 rpm
Wow and flutter	0.03% (WRMS)* 0.035% (WRMS)
Signal-to-noise ratio	75 dB (DIN-B)
Automatic system	Lead-in, return, reject, repeat, arm up/down, record size selection
Speed deviation	Within $\pm 0.003\%$

## Tonearm

Type	Linear tracking tonearm
Pivot-to-stylus length	75 mm (3 in.)
Tracking error	$\pm 0.1^\circ$
Usable cartridge	Plug-in type, 6 g

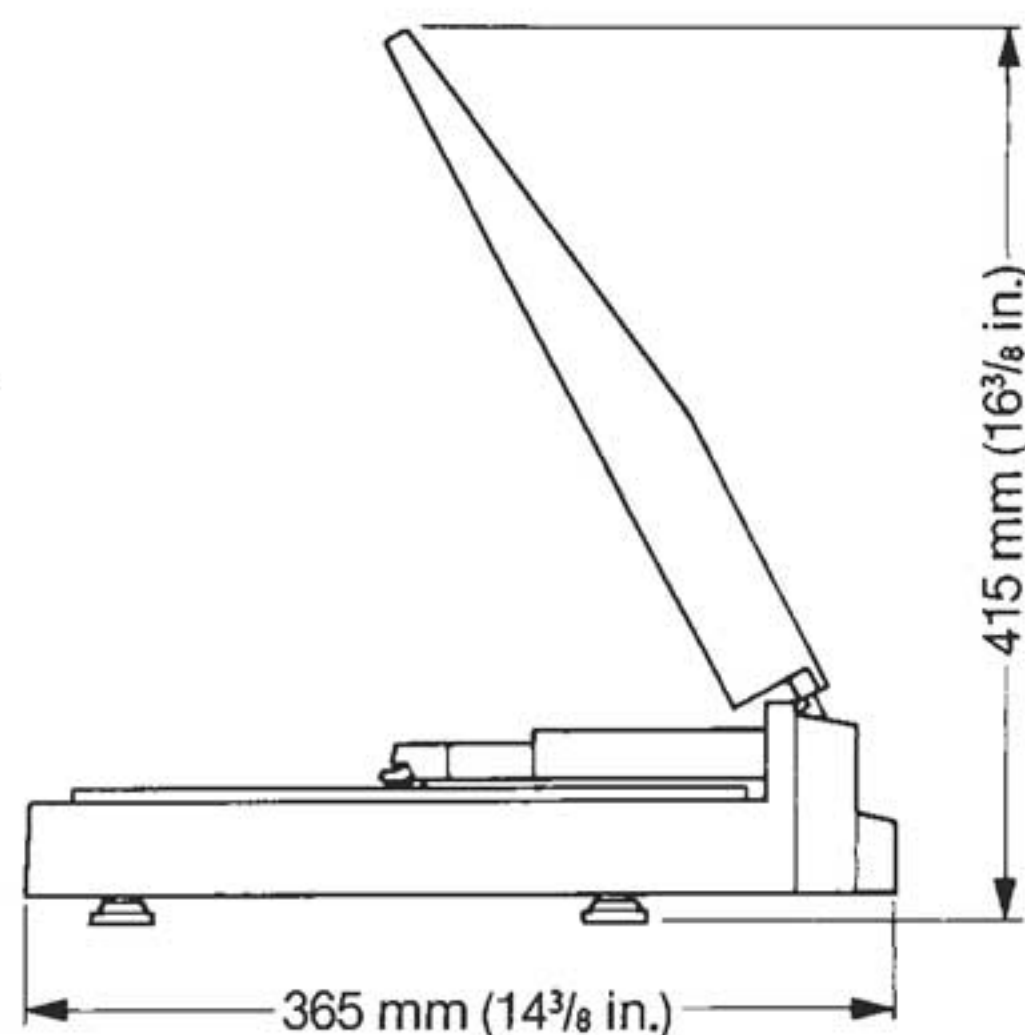
## General

Power requirements	120 V AC, 60 Hz
Power consumption	10 W
Dimensions	Approx. 430 $\times$ 95 $\times$ 365 mm (w/h/d) (16 $\frac{7}{8}$ $\times$ 3 $\frac{3}{4}$ $\times$ 14 $\frac{3}{8}$ in.) including projecting parts and controls (For the dimensions with the dust cover opened, see illustration on the right.)

Weight	Approx. 5 kg (11 lb), net Approx. 6.1 kg (13 lb 7 oz), in shipping carton
Supplied accessories	45-rpm adaptor (1) Remote control cord (1) Synchro remote control cord (1) Cartridge locking screw (1)

Design and specifications subject to change without notice.

\* This new measuring method concerns only the turntable assembly including the platter. It excludes wow and flutter caused by the tonearm, the cartridge, or the record. Measured by obtaining signal from magnetic pick-up head.



# TROUBLE CHECKS

Should any problem persist after you have made these checks, consult your nearest Sony service facility. Before proceeding with these trouble checks, first refer to the connections and the operating procedures.

## Impaired tone quality

- Dusty stylus.
- The turntable is not placed on a level surface.
- The turntable is incorrectly placed on or too near a speaker.
- Worn stylus or defective record.
- Incorrect stylus installation.

## No audio from one channel

- Loose connection of phono connecting cord.
- Low volume level setting for one channel of the amplifier.

## Groove skipping, tonearm tends to skate, tonearm does not advance.

- The turntable is not placed on a level surface.
- Defective record.
- External vibrations.

## Steady low-pitched hum

- Loose connection of phono cord.

## Loud rumble or low-frequency howl \* \*

- The turntable is affected by external vibration.
- The turntable is too near a speaker.

\* \* This is called "acoustic feedback" and is caused when vibrations from the speakers are transmitted through the air or via solid objects (such as the shelves, the cabinet, the floor, etc.) to the turntable, where they are picked up by the stylus, amplified and reproduced through the speakers once again.