

# OPERATING INSTRUCTIONS

TWO-SPEED AUTO-RETURN TURNTABLE

## **SANSUI SR-212**



*Sansui*

SANSUI ELECTRIC CO., LTD.



We thank you for having selected and purchased our auto-stop/ auto-return turntable SR-212 for your musical pleasure.

The SR-212 is an all-round turntable with automatic mechanism designed and manufactured with special emphasis on overall tonal quality and basic performance. With the SR-212 to put a perfect finishing touch to your stereo system, the unlimited world of music is yours to be enjoyed. But first, mount the parts and connect cables correctly referring to this Operating Instruction Booklet in order to get the most out of your turntable.

**Note:** Another model designated SR-212<sup>Ⓢ</sup> is available, the only differences from the SR-212 being the power source voltage/frequency and attached accessories (see table below).

MODEL	POWER SOURCE	CAPSTAN FOR FREQUENCY CHANGE	CARTRIDGE
SR-212	120/240V, 50/60Hz	Attached	Attached
SR-212 <sup>Ⓢ</sup>	120V, 60Hz	NOT Attached	NOT Attached

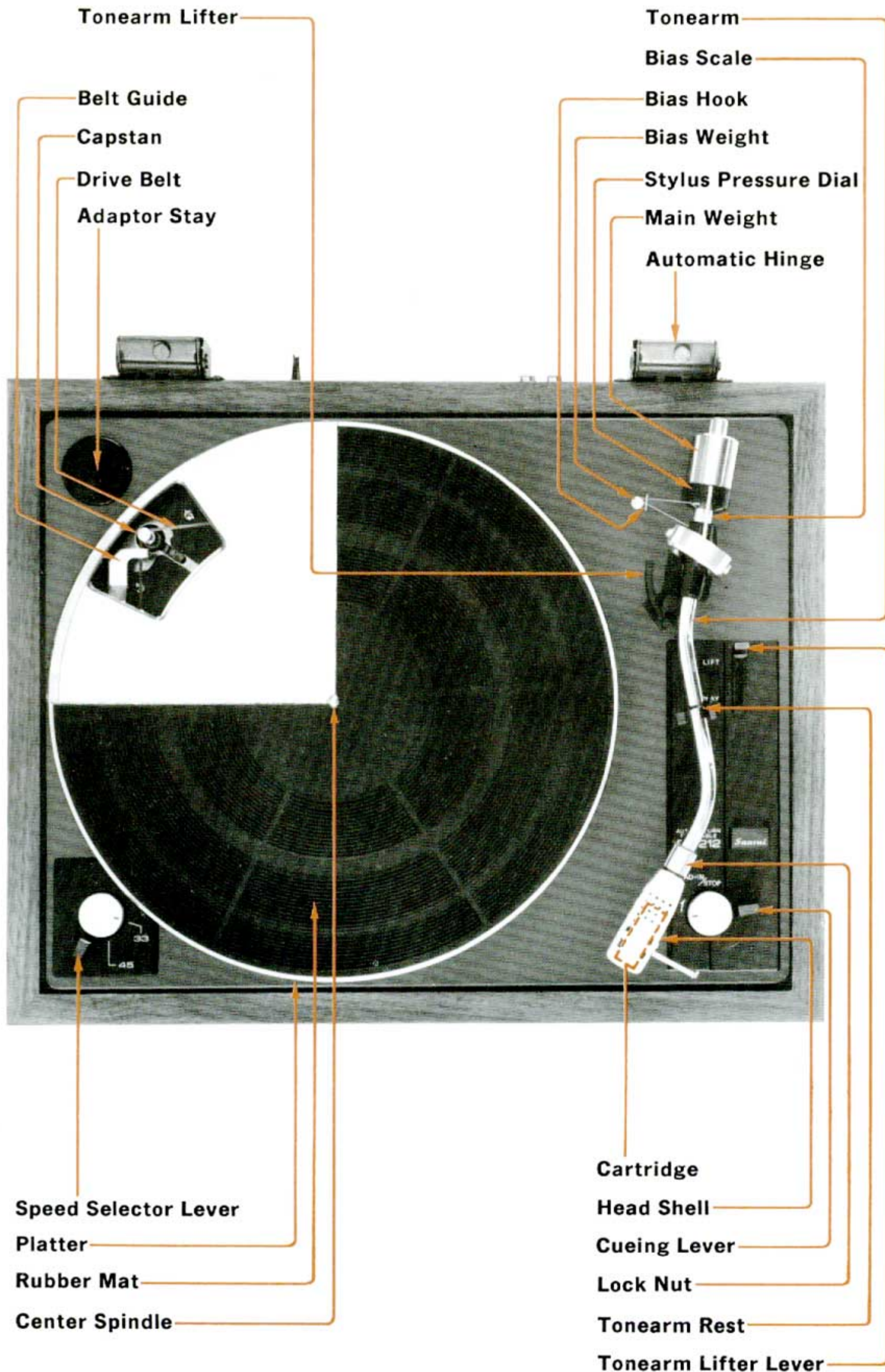
Other specifications and operating procedures are the same for both models.

## SPECIFICATIONS

TYPE:	Two-speed belt-driven auto-stop/auto-return turntable	FREQUENCY RESPONSE:	20~20,000Hz
AUTOMATIC OPERATION:	Stop and return mechanism	OUTPUT VOLTAGE:	3.5mV at 1,000Hz with 50mm/sec
PLATTER:	Aluminum alloy die-cast 300mm (12") diameter	LOAD IMPEDANCE:	50k $\Omega$
MOTOR:	4-pole synchronous	STYLUS:	0.5 mil, diamond spherical (SN-37)
SPEEDS:	33 $\frac{1}{3}$ , 45 rpm	TRACKING FORCE:	2.5gr $\pm$ 0.4gr
WOW & FLUTTER:	0.1% (WRMS)	POWER REQUIREMENTS:	
S/N:	45dB	SR-212:	120/240V 50/60Hz
TONEARM:	Statically-balanced S-shaped tubular tonearm with anti-skating device, direct readout stylus pressure dial, 4-contact plug-in head	SR-212 <sup>Ⓢ</sup> :	120V 60Hz
TONEARM LENGTH:	215mm (8 $\frac{1}{2}$ " )	POWER CONSUMPTION:	10W
OVERHANG:	10mm ( $\frac{3}{8}$ " )	DIMENSIONS:	442mm(W) $\times$ 166mm(H) $\times$ 352mm (D) or 17 $\frac{7}{16}$ "(W) $\times$ 6 $\frac{9}{16}$ "(H) $\times$ 13 $\frac{7}{8}$ "(D)
PRESSURE ADJUSTABLE:	0~4gr	WEIGHT:	6.7kg (14.7 lbs.) Net 9.0kg (19.8 lbs.) Packed
CARTRIDGE:	Induced magnet type (SC-37)	STANDARD ACCESSORIES:	45rpm record adaptor, oil, bias weight, removable dust cover with free-stop hinges



# NAMES OF PARTS

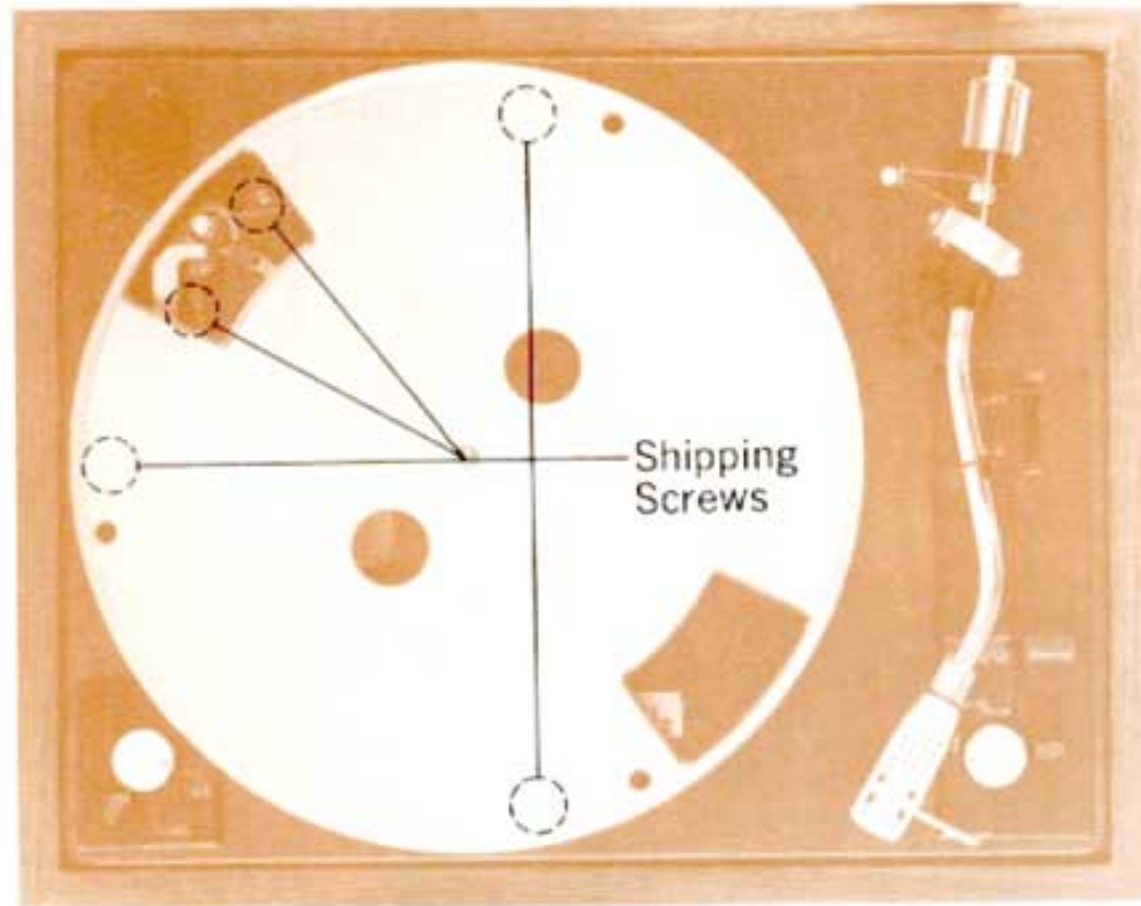




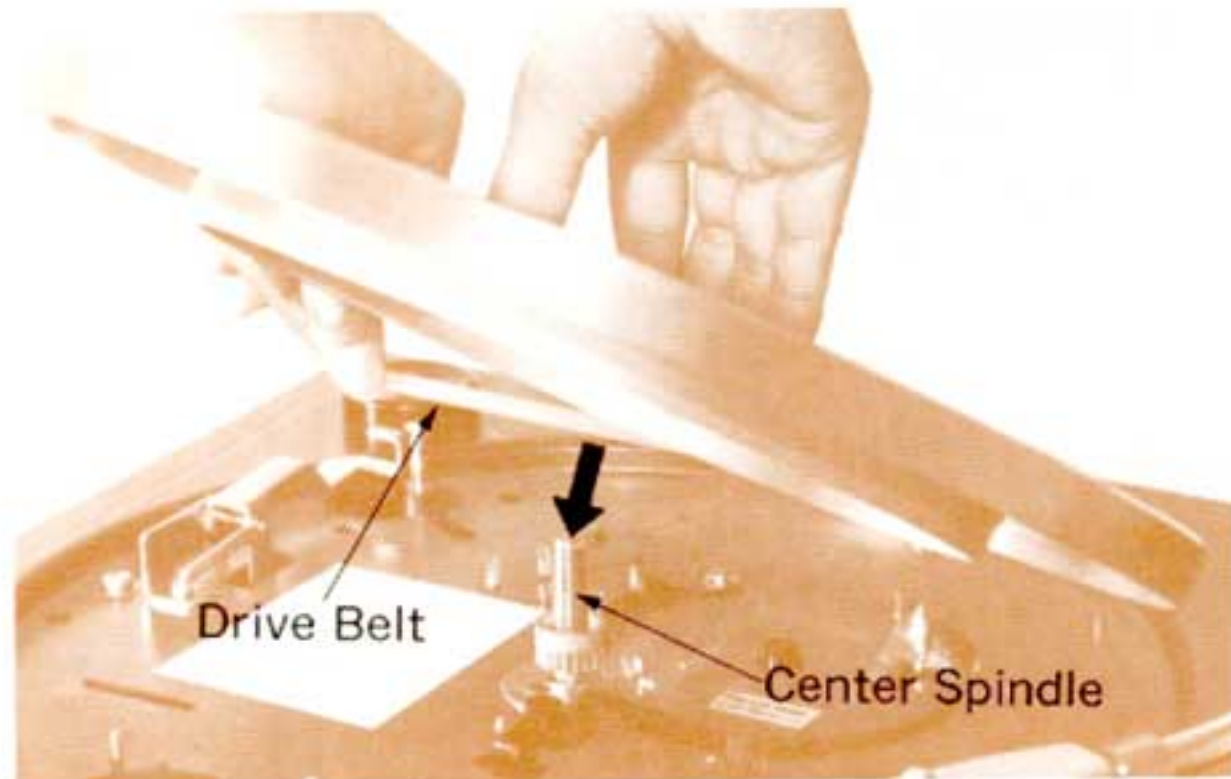
# FITTING PARTS AND CONNECTION

## Platter and Drive Belt

1. First remove the five shipping screws fitted with the caution tags. The motor and motor board will then float freely on their cushions.



2. Adjust the gear clutch following the instructions on the caution tag attached to the front panel. Remove the rubber mat from the platter and fit the platter onto the center spindle and then fit the drive belt around the capstan following the instructions on the slip attached to the platter.



3. Place the rubber mat on the platter again.

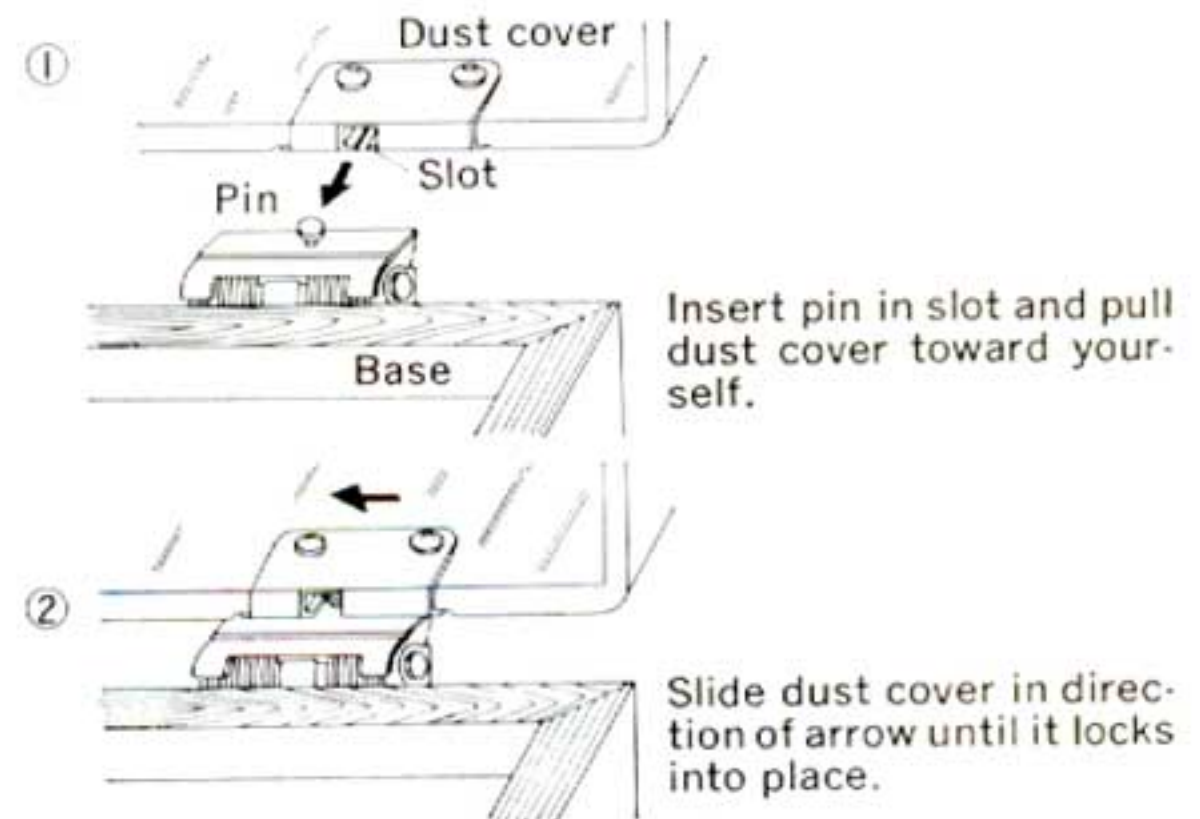
## 45rpm Record Adaptor

When playing a 45 rpm record (EP record) with large center hole, use the attached 45 rpm record adaptor. Be sure to return it to the adaptor stay when not in use.



## Dust Cover

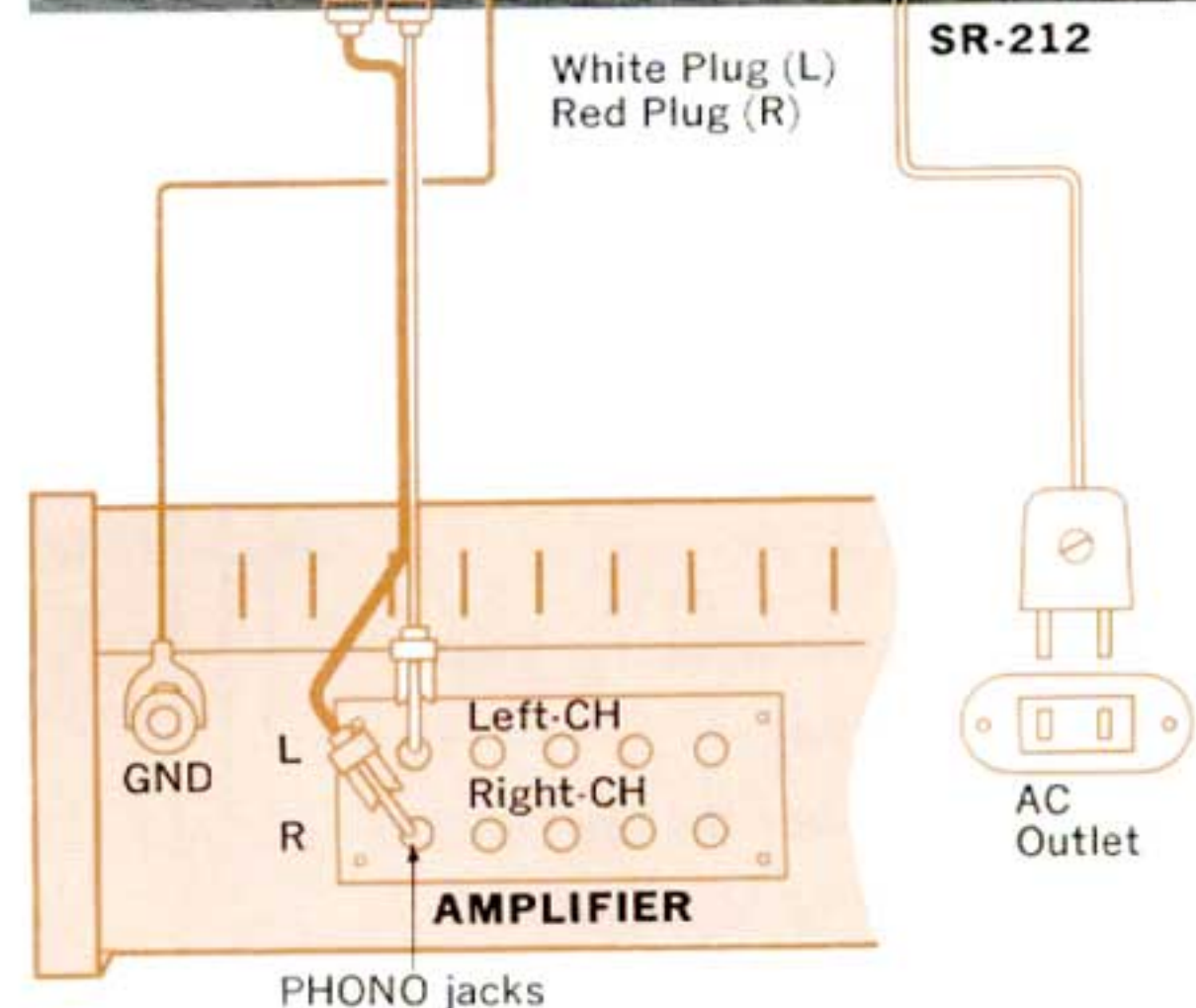
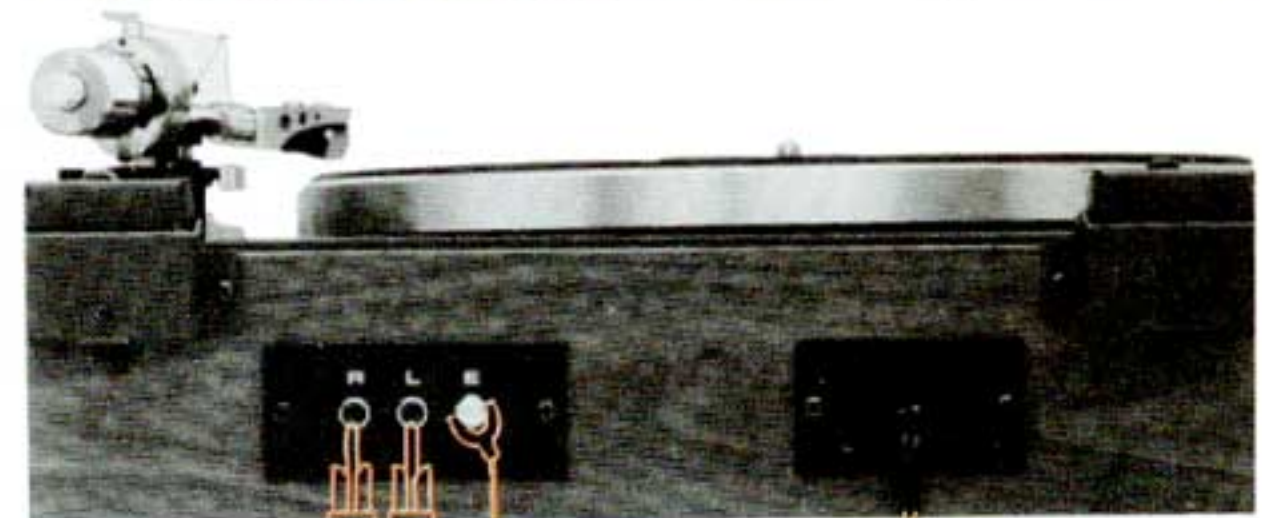
Insert the hinge pins of the turntable cabinet into the slots of the dust cover hinges, sliding the dust cover in the direction of the arrow until it locks into place, as illustrated below.



## Connecting Power and Output Signal Cables

Connect the power cable to an AC outlet and the output signal cables of the turntable to your amplifier or receiver, as illustrated below.

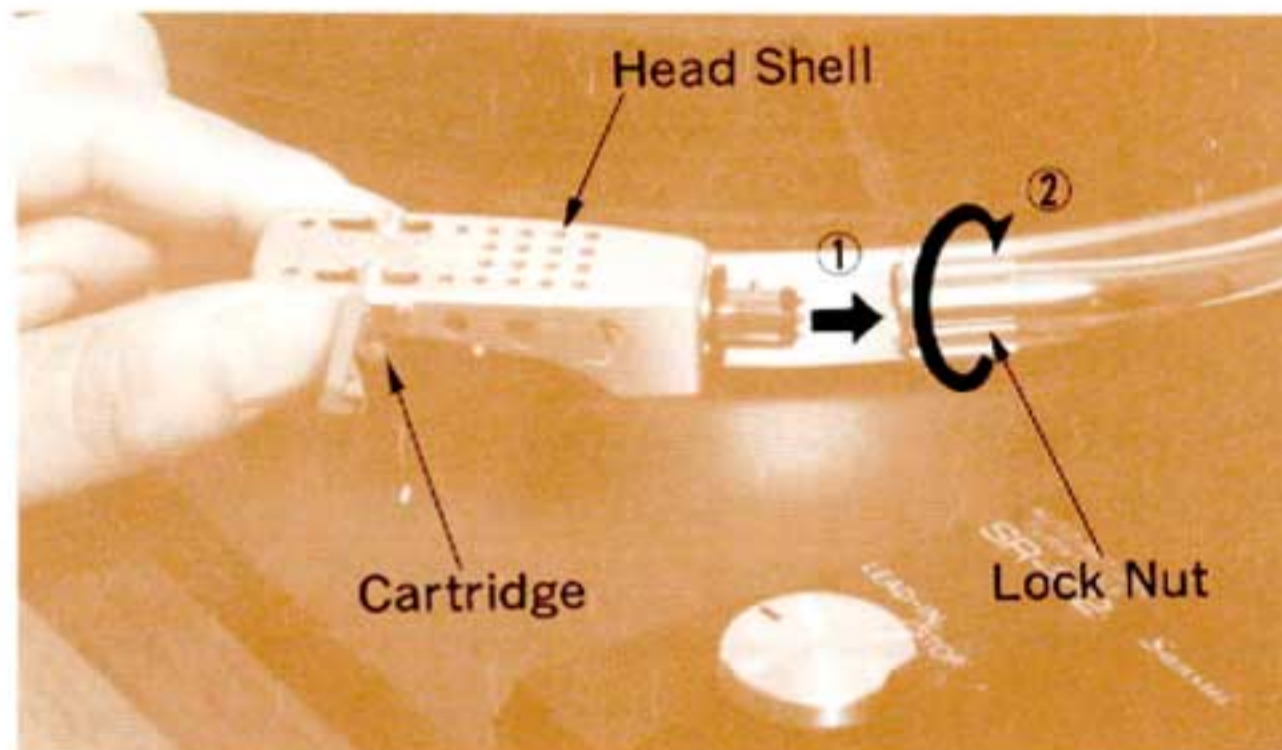
Take care not to confuse the left and right channels.



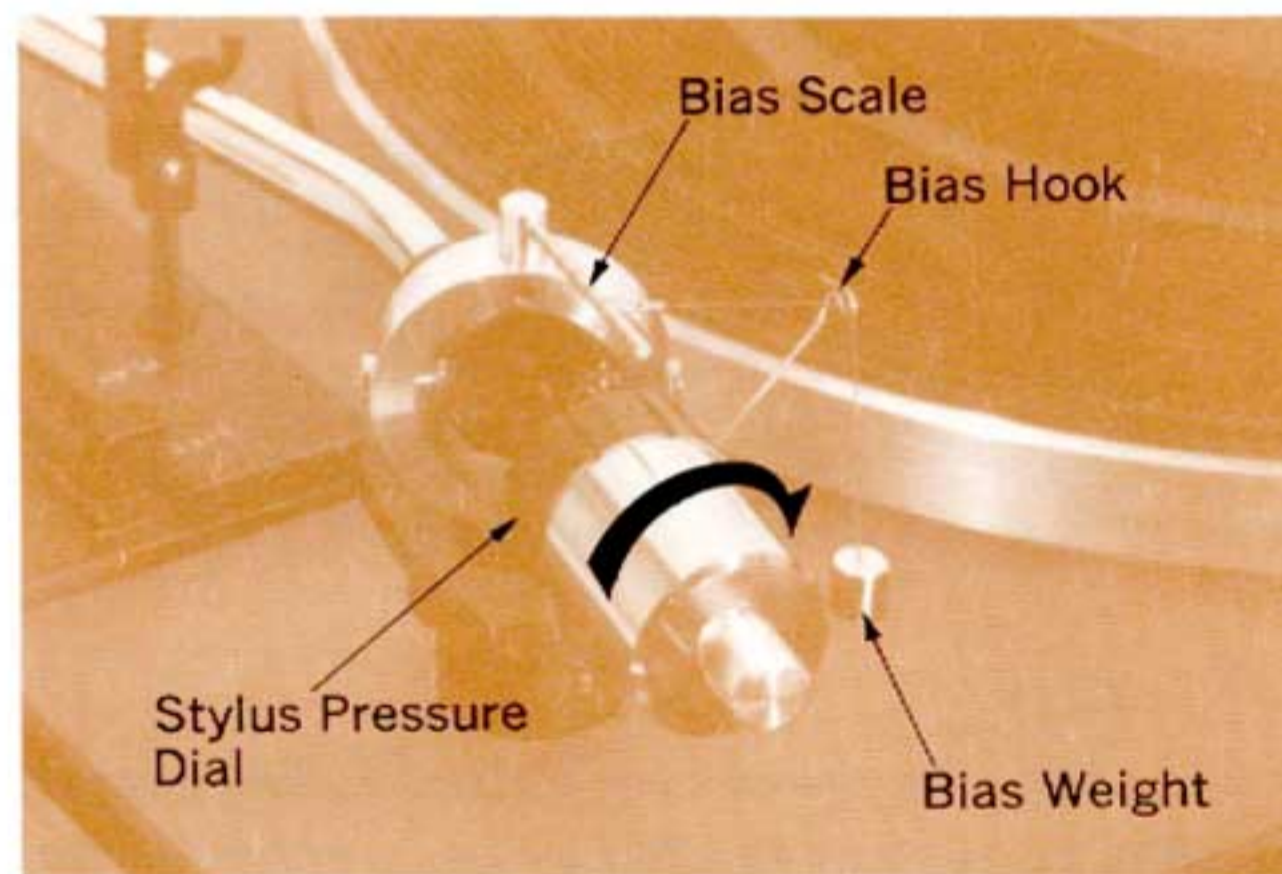


## Tonearm

1. Untie the vinyl ribbon fastening the tonearm.
2. Insert the cartridge-equipped head shell (supplied) into the lock nut at the tip of the tonearm. Then, pushing it lightly in the direction of arrow (1), tighten the lock nut by turning it in the direction of arrow (2). For protection, leave the stylus cover on the cartridge while carrying out this operation.



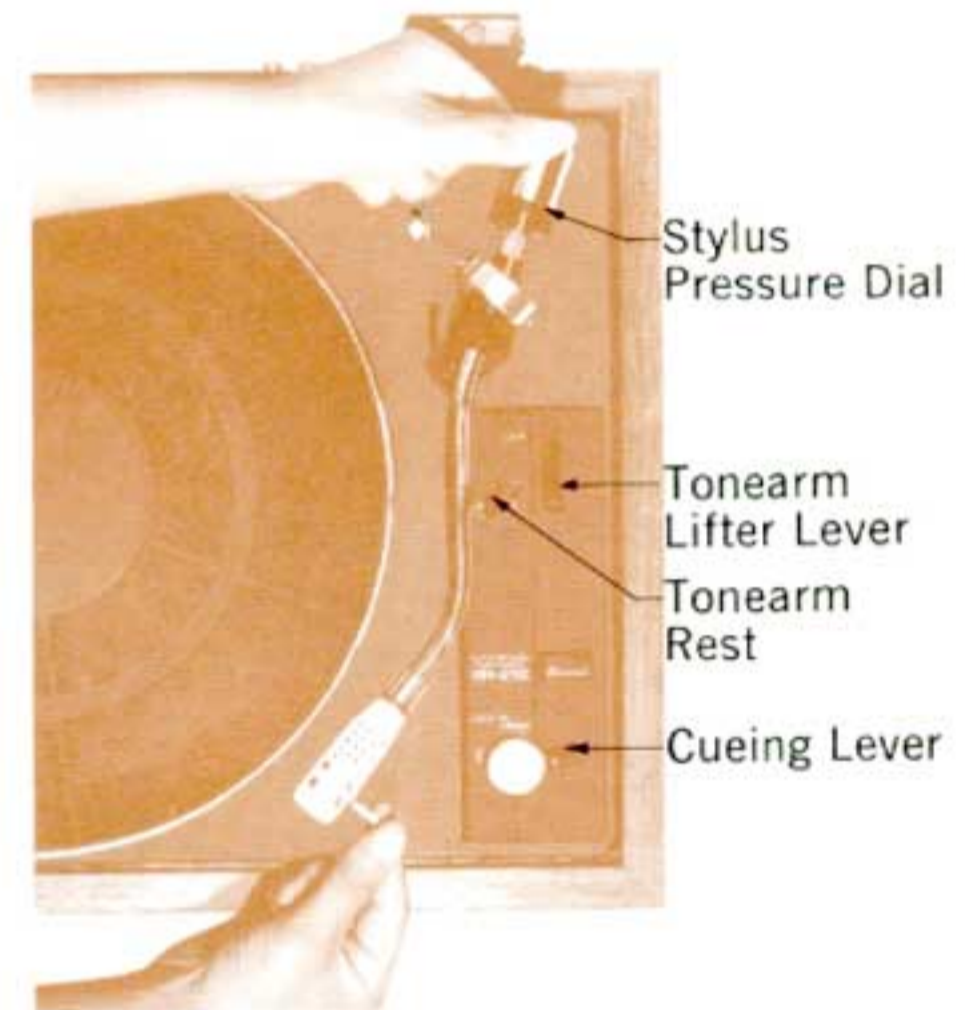
3. Holding the main weight so that its ring groove faces back, load the main weight on the main weight shaft by turning it slowly.



4. Pass the wire attached to the bias weight through the bias hook and fit the loop on the wire into the red-colored notch (2.5 gr) on the bias scale. The notches of the bias scale are calibrated in 0.5 gr. steps. Each time you re-adjust the stylus pressure, be sure to move the bias weight along the bias scale to the corresponding marking

## Stylus Pressure

1. Remove the stylus cover and unhook the tonearm hook on the tonearm rest.
2. Tilt the tonearm lifter lever to the PLAY position and move the tonearm to a position between the tonearm rest and the platter. The platter will then start to revolve.
3. Pull the cueing lever, then the tonearm lifter will lower. Hold the head shell so that it does not lower onto the turntable, then remove the power cable from the AC outlet.
4. Move the main weight gently back and forth along the main weight shaft to find the position where the tonearm balances itself. (In this condition the tonearm should be perfectly horizontal to the turntable.) Be sure to remove the bias weight from the tonearm before adjusting stylus pressure.



5. The stylus pressure applied in this case is 0 grams. Set the "0" marking on the stylus pressure dial to the line on the main weight by turning the stylus pressure dial. Take care not to touch or move the main weight after it has been set.
6. The figures on the stylus pressure dial denote the pressure applied to the tip of the stylus. One complete turn of the main weight means pressure of 4 grams is added to the stylus tip. Therefore, turn the main weight, so that the optimum pressure is applied to the cartridge in use. The optimum stylus pressure of the cartridge supplied is 2.5 gr. To avoid damage to the stylus tip, care should be taken so that the tip of the stylus does not touch the rubber mat or other parts.



# OPERATION AND MAINTENANCE

## Operation

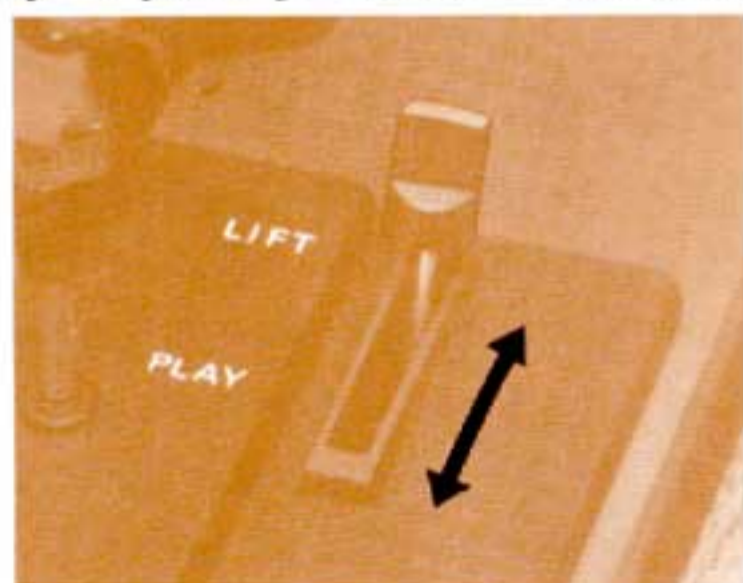
1. First confirm that the stylus pressure is appropriately adjusted and that the speed selector lever is set to the appropriate position.
2. Move the tonearm to the desired position on the record. When the tonearm is off the tonearm rest, the platter starts to revolve automatically. Then confirm that the tonearm lifter lever is set to the PLAY position and pull the cueing lever. The tonearm will then lower on to the record and start playing.



3. When the stylus tracks the lead-out groove of the record, the tonearm will lift and return to the tonearm rest automatically, cutting off the power source supply.
4. When you want to stop playing the record in the middle of play, pull the cueing lever. Then the tonearm will lift and return to the tonearm rest, disconnecting the power.

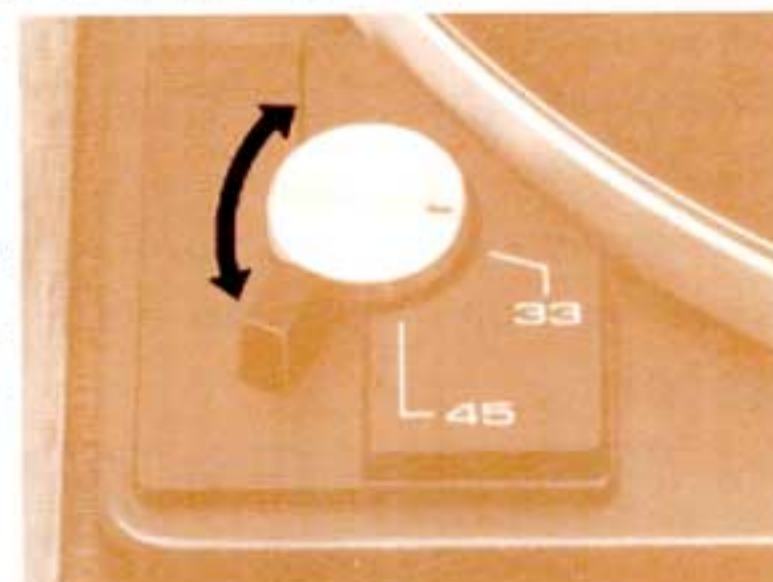
## How to Use the Tonearm Lifter

Use to stop playing a record temporarily in the middle of play. To do so, tilt the lifter to the LIFT position. To start playing the record again, tilt it to the PLAY position. The tonearm will rise and lower gently as you operate the tonearm lifter.



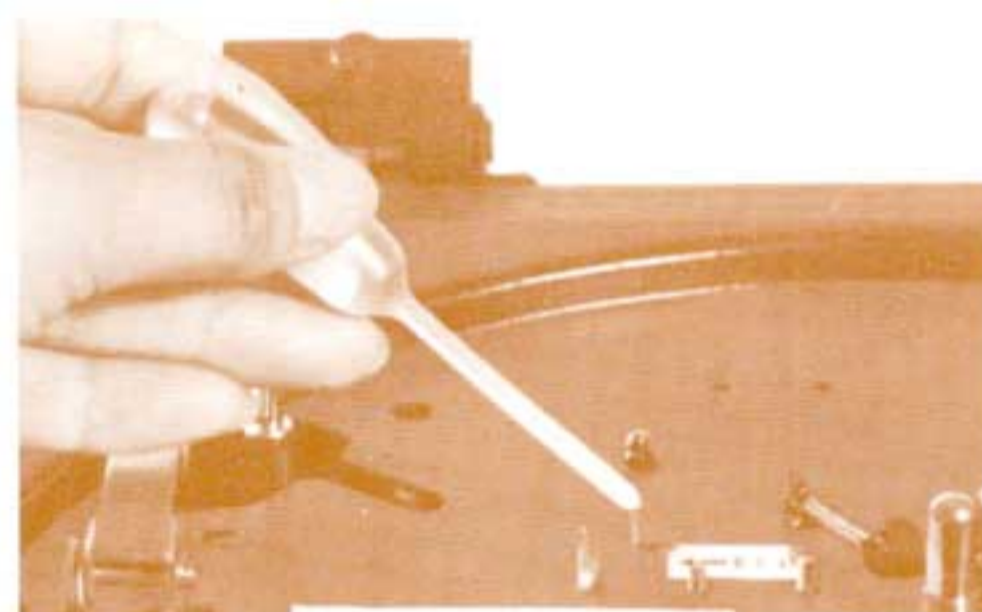
## Speed Change

Set the speed selector lever to the speed of the record you're going to play. As this turntable is of the belt driven type, speed change-over must be facilitated while the platter is in motion to ensure smooth operation.



## Lubrication

While the need for oiling depends on how many hours the turntable is operated, it is recommended to lubricate the motor at least once every three months or once every 200 hours of use. To do so, remove the platter and drop a few drops of lubricating oil (supplied) into the oiling orifice shown in the photograph. Be careful not to stain the drive belt or capstan with oil. If you stain either by accident, wipe clean with benzine.



## Howling

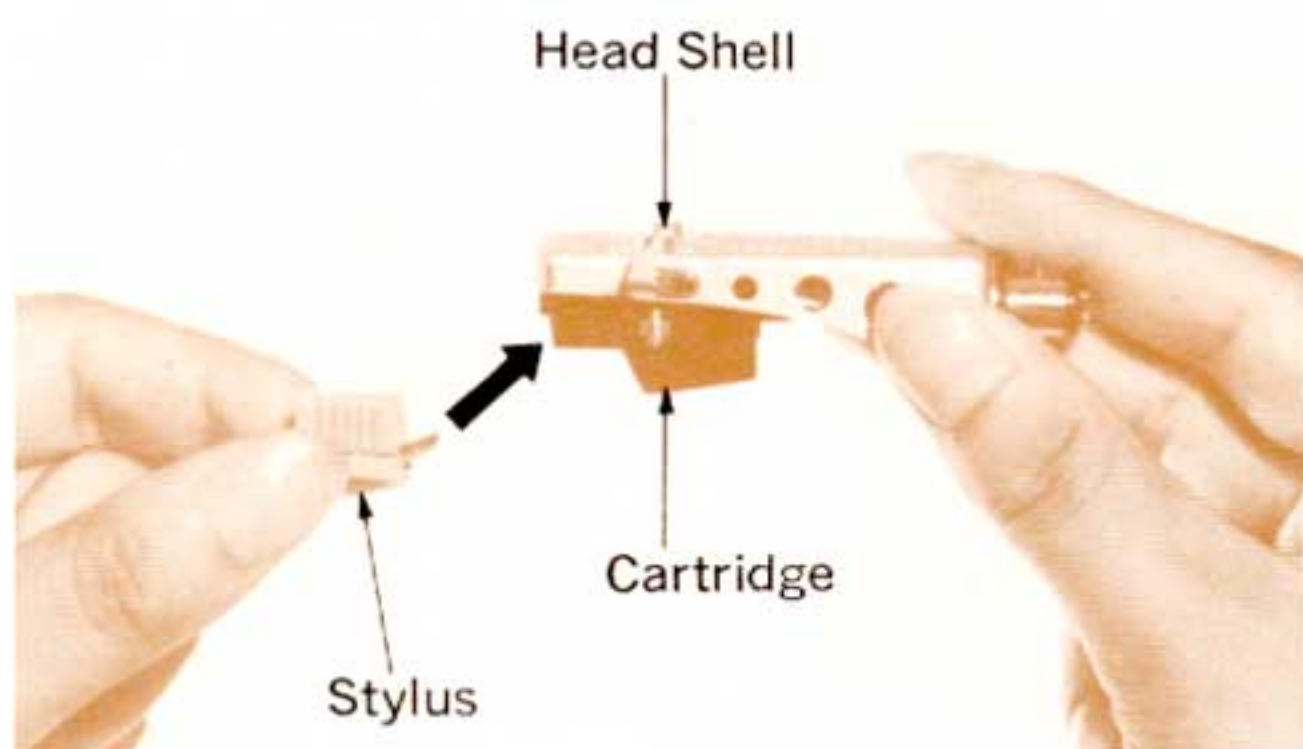
Loud oscillating noises may be heard while a record is being played on the turntable. This phenomenon is known as "howling," and is caused due to the turntable being placed too close to the speakers. The sound pressure and vibration produced by the speakers are transmitted through the air or floor and picked up by the cartridge of the turntable, amplified and reproduced out of the speakers together with the regular sounds from the record. To correct this condition, position the turntable as far away as possible from the speakers or take special precaution to prevent the vibration of the speakers from reaching the turntable.



## When the Stylus is Worn

If the sound is distorted or shaky, it is probably because the record is scratched or because the stylus is worn.

The diamond stylus on the SR-212 is good for about 500 hours of play. If the cause of the unpleasant sound is thought to be a worn stylus, replace it with a new stylus. A replacement stylus, designated the Sansui SN-37, is available at your nearest Sansui dealer.



## Keeping the Stylus Tip Clean

If dust or other foreign matter has gathered on the stylus tip, not only the tonal quality of the reproduced sound deteriorates, but both the stylus and your records are likely to be permanently damaged. To prevent this, clean the stylus tip with a soft brush from time to time. Touching the stylus with your finger or subjecting it to shock should be avoided at all times. Doing so may shorten the service life of the cartridge or cause permanent damage to it.

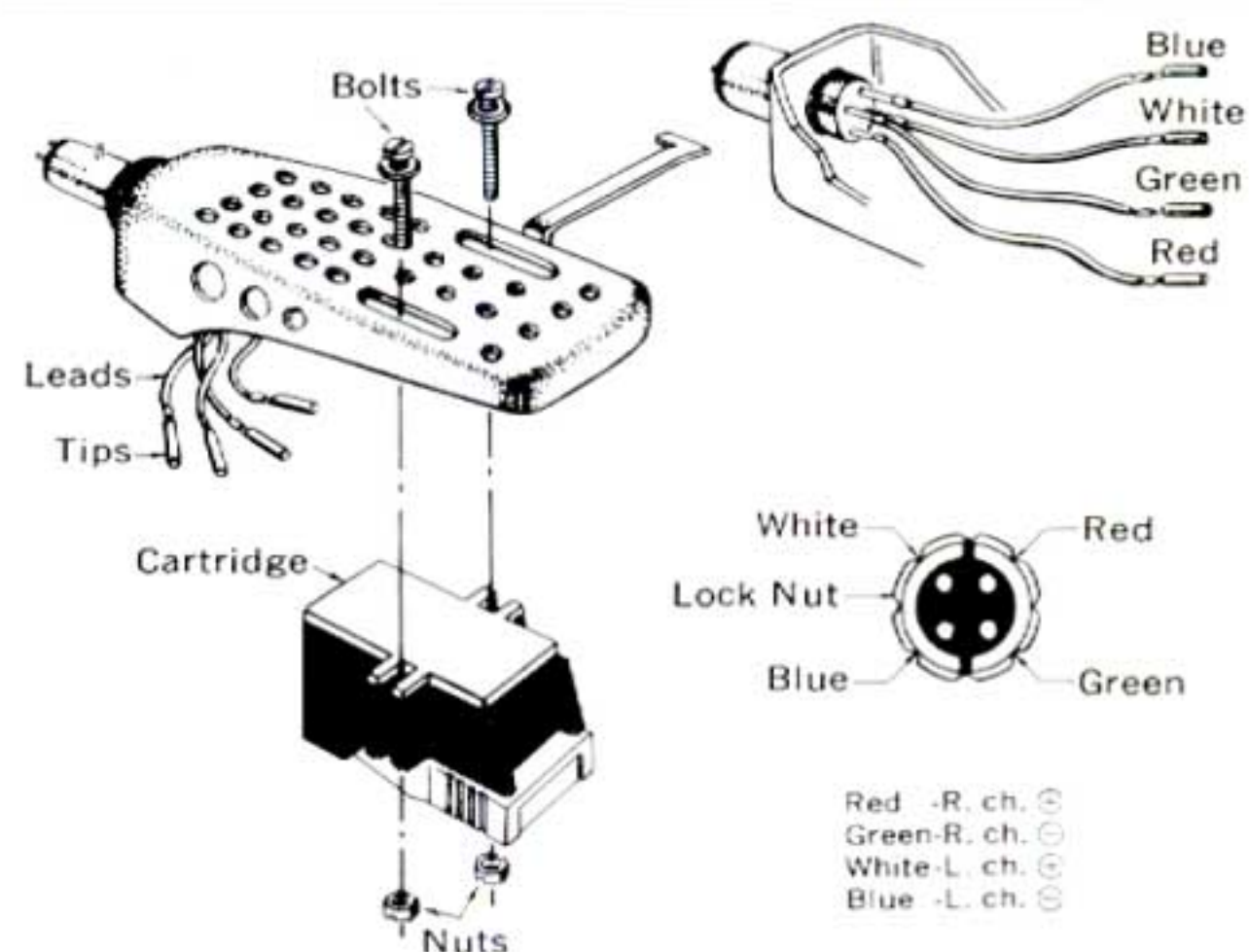
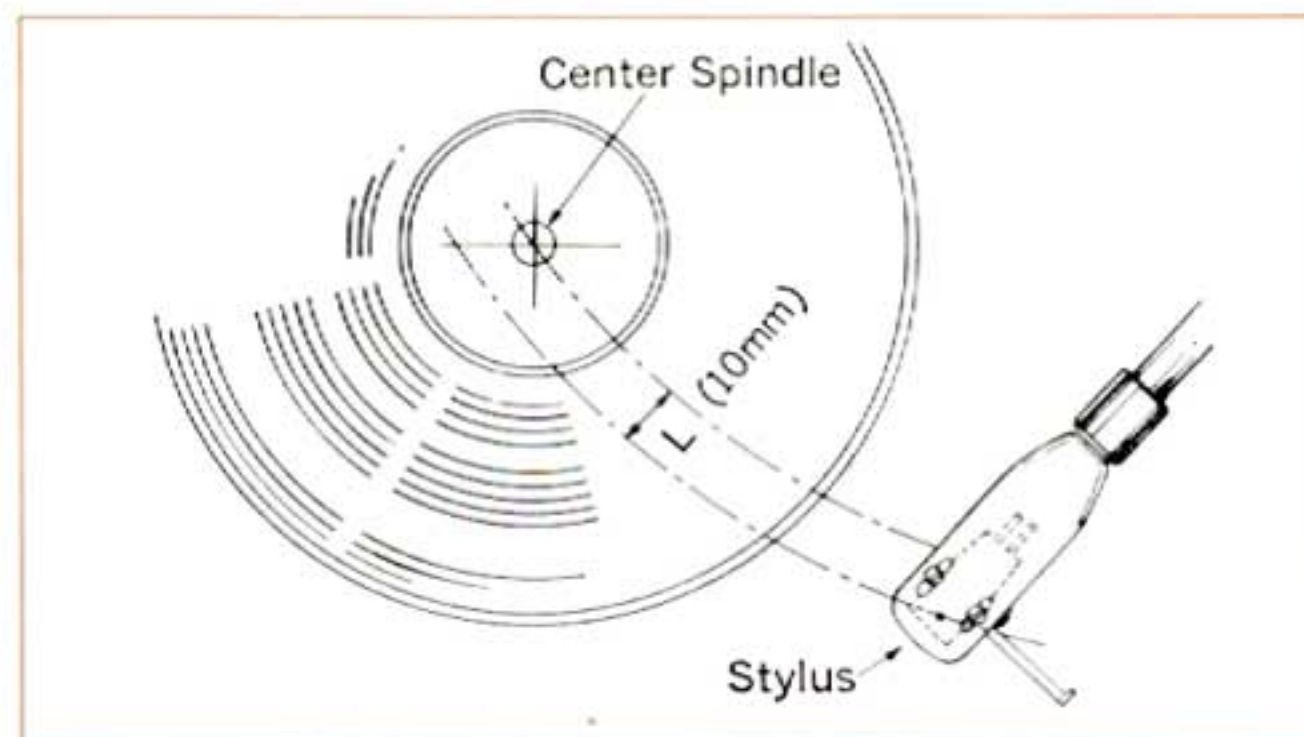
## Induced Hum

The high-performance induced magnet cartridge on the SR-212 is susceptible to the influence of magnetic fields, such as may be produced by a nearby electric sewing machine, fan, other motor-equipped appliances or a large transformer. If such a condition exists, loud hum noise may be heard. This can usually be eliminated by simply moving the appliance away from the turntable. To avoid the influence of magnetic flux from the power supply transformer of your amplifier, it is advisable to install the turntable on the side opposite to where the transformer is located in the amplifier.

## Connecting a Different Cartridge

If you wish to use a different cartridge, mount it on the head shell so as to leave a proper 'overhang'—the distance between the stylus tip and the center of the center spindle when the tonearm is moved closest to the center spindle (the distance indicated as L in the illustration below). The correct overhang for the SR-212 is 10mm or  $\frac{3}{8}$ ".

The lead wires of the head shell are color-coded as follows:



## Moving to an Area where the Power Voltage/Frequency are Different

The SR-212 has been adjusted to operate at the correct power voltage and frequency of your area in our factory prior to shipment. If you move to a new location where the power voltage and/or frequency are (is) different, re-adjustments must be carried out in order to obtain the correct revolution of the platter. Contact the Sansui dealer from whom you purchased the turntable or a Sansui Authorized Service Station nearest you.





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