

AUTO-RETURN BELT-DRIVE TURNTABLE

KD-2000

INSTRUCTION MANUAL



the sound approach to quality

KENWOOD

INTRODUCTION

Thank you for purchasing our turntable. Because we take great pride in the long tradition of quality components the name KENWOOD represents, your choice of our product places you in a distinguished family of connoisseurs of superb high-fidelity sound reproduction.

The purpose of this manual is to acquaint you with the operating features of your new turntable. You will notice that in every detail of planning, engineering, styling, operating convenience, and adaptability, we have sought to anticipate your needs and desires.

We suggest that you read this manual carefully. Knowing how to set up your turntable, to the best advantage, will enhance your listening pleasure right from the start. You will also become aware of the ease with which you can adjust your turntable to meet your special requirements.

SERIAL NUMBER

Record your SERIAL NUMBER on the spaces designated on the warranty card. You will find the serial number on the back of the unit.

AFTER UNPACKING

After unpacking, we recommend you inspect and examine the unit for any possible shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend you that retain the original carton and packing materials to prevent any damage should you transport or ship your unit in the future.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT

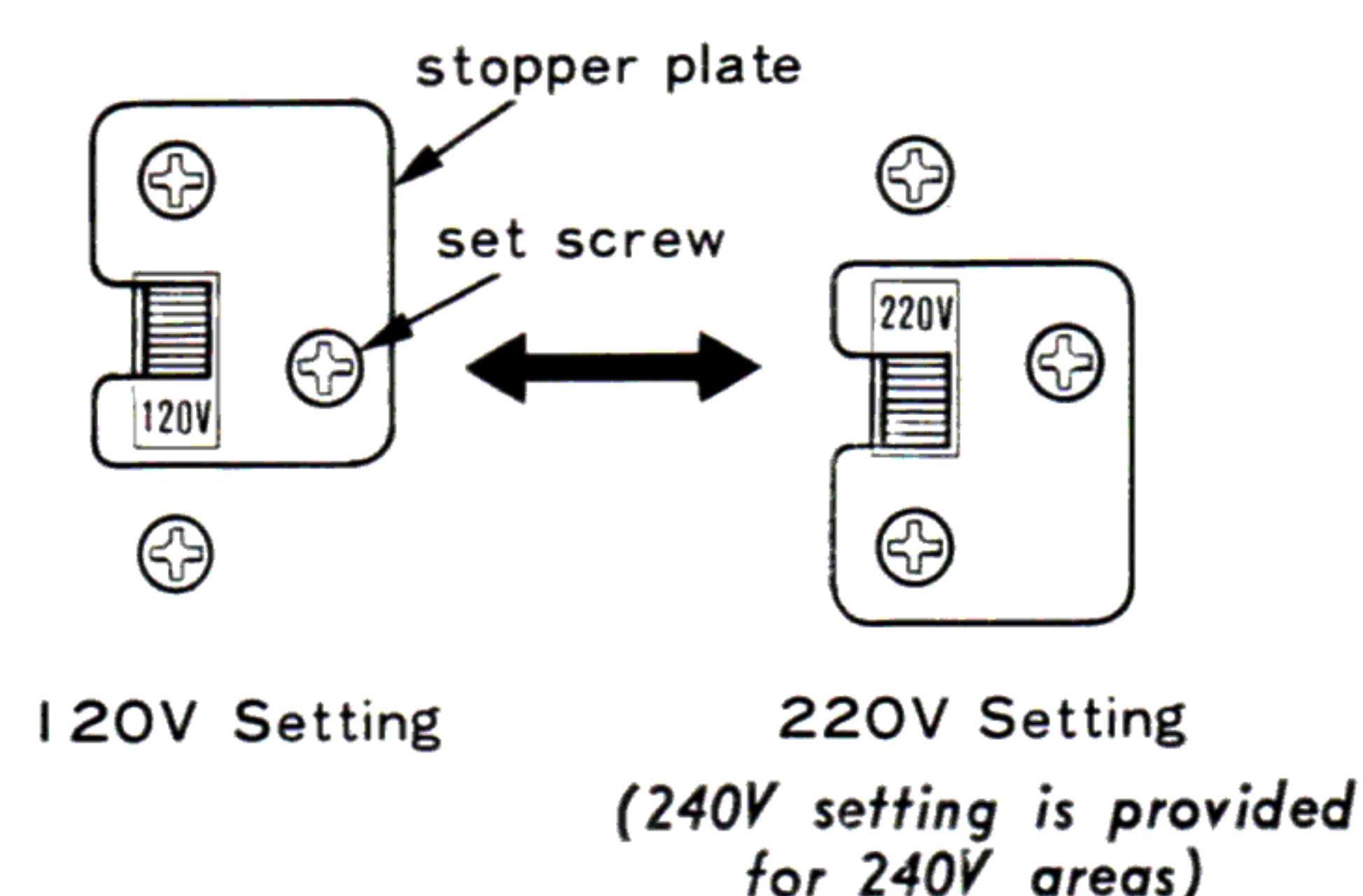
- Units shipped to the U.S.A. and CANADA are designed to operate on 120 V AC only.

They are not equipped with an AC Voltage Selector Switch and the following description of such a switch should be disregarded. ※

- Units shipped to all other countries are equipped with an AC Voltage Selector Switch beneath the turntable platter. The following description of this switch should be carefully read.

AC VOLTAGE SELECTOR

- This unit operates on 120 V or 220 V (240 V) AC. The AC Voltage Selector Switch is preset at the factory to the voltage generally available in the destination area. Before operating this turntable, make sure that the position of the AC Voltage Selector matches your line voltage.



- If the setting of the AC Voltage Selector Switch on your unit is not set correctly to your line voltage, it must be reset.

First remove the AC plug and reset switch to your line voltage as follows:

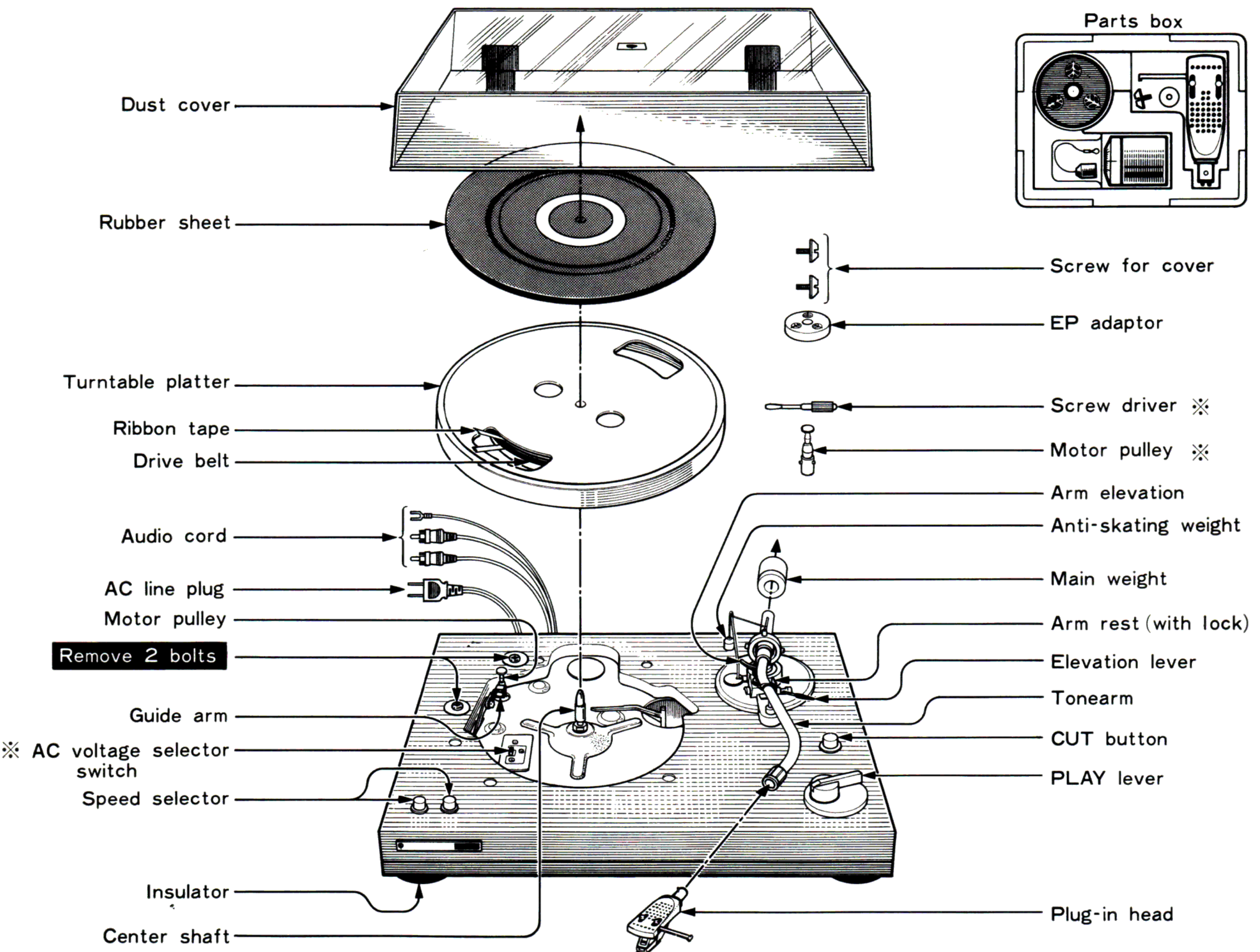
1. Remove the set screw and stopper plate.
2. Switch the lever to opposite side.
3. Lock the lever by attaching stopper plate with the set screw.

- Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC Voltage Selector Switch.

PARTS NOMENCLATURE

- Check to see that the packing carton contains all the component parts shown in the Figure below, before you begin to assemble the turntable.
- See page 4 for assembly procedure.
- You will find the smaller parts in the small parts box, also included in the carton.

Plug-in Head
EP Adaptor
Main Weight
Anti-Skating Weight
Screw For Cover

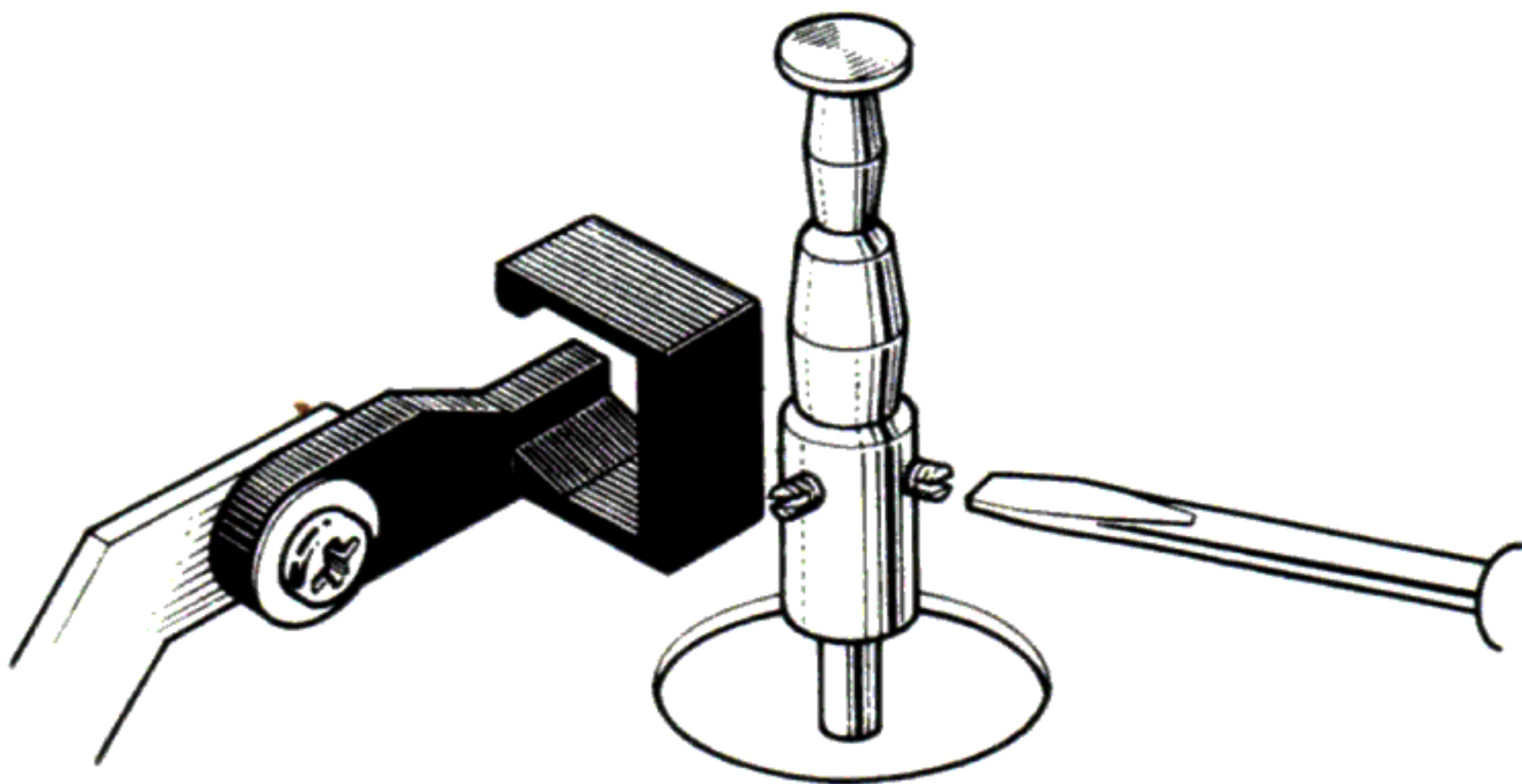


ADJUSTING TO YOUR LINE FREQUENCY

The AC power line frequency may differ in different areas, and adjustment may be necessary to obtain correct speed. If the line frequency setting of this turntable does not match that of your power line, replace the motor pulley as shown in the diagram at right.

Remember that the thicker pulley is for 50 Hz power sources. The thinner one is for 60 Hz power sources. (To replace a pulley, simply remove it after loosening the two locking screws. Insert the replacement pulley as shown in the diagram and tighten the locking screws.)

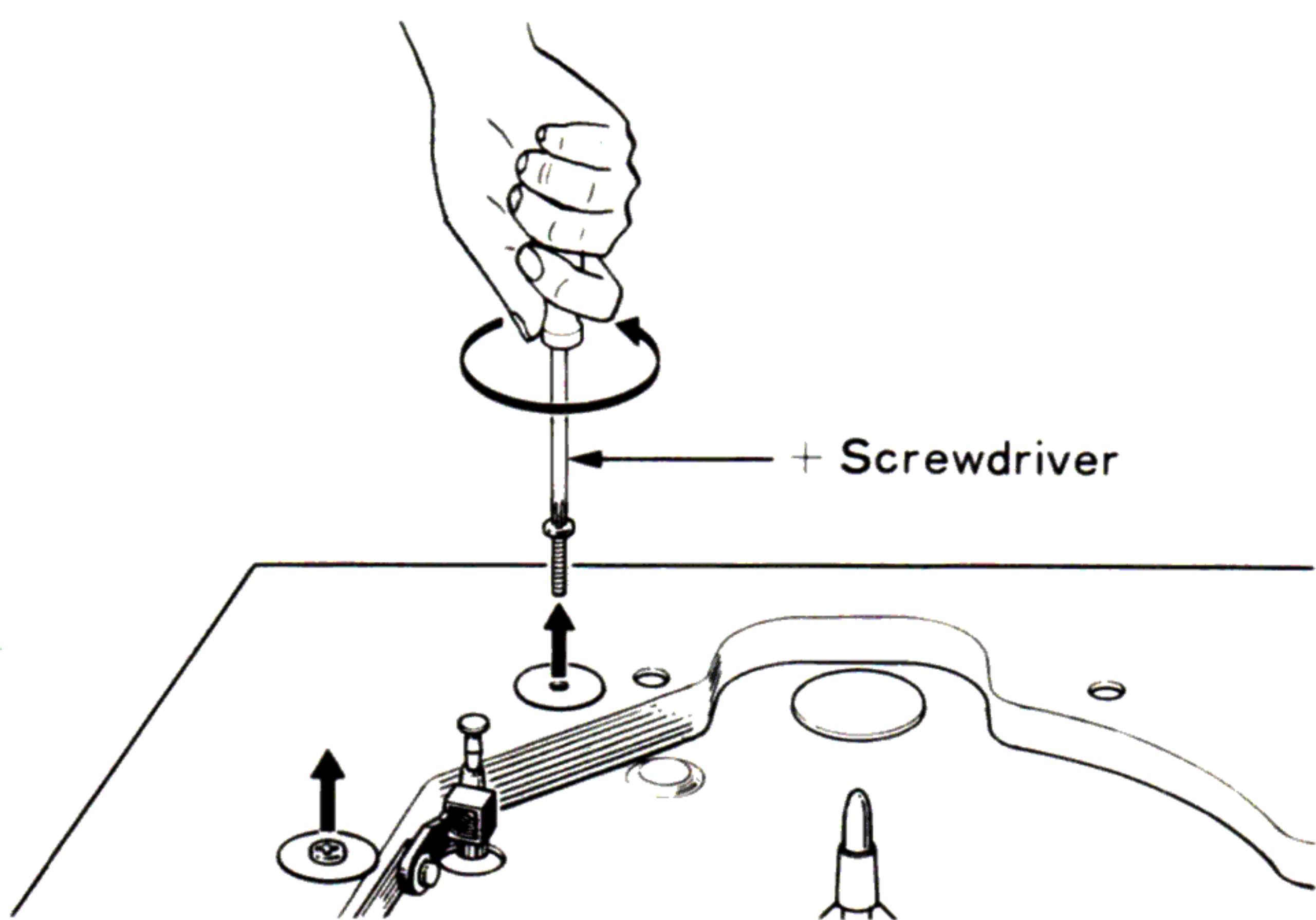
- Replacement pulley and small screwdriver are not supplied with units shipped to uniform line frequency areas. ※



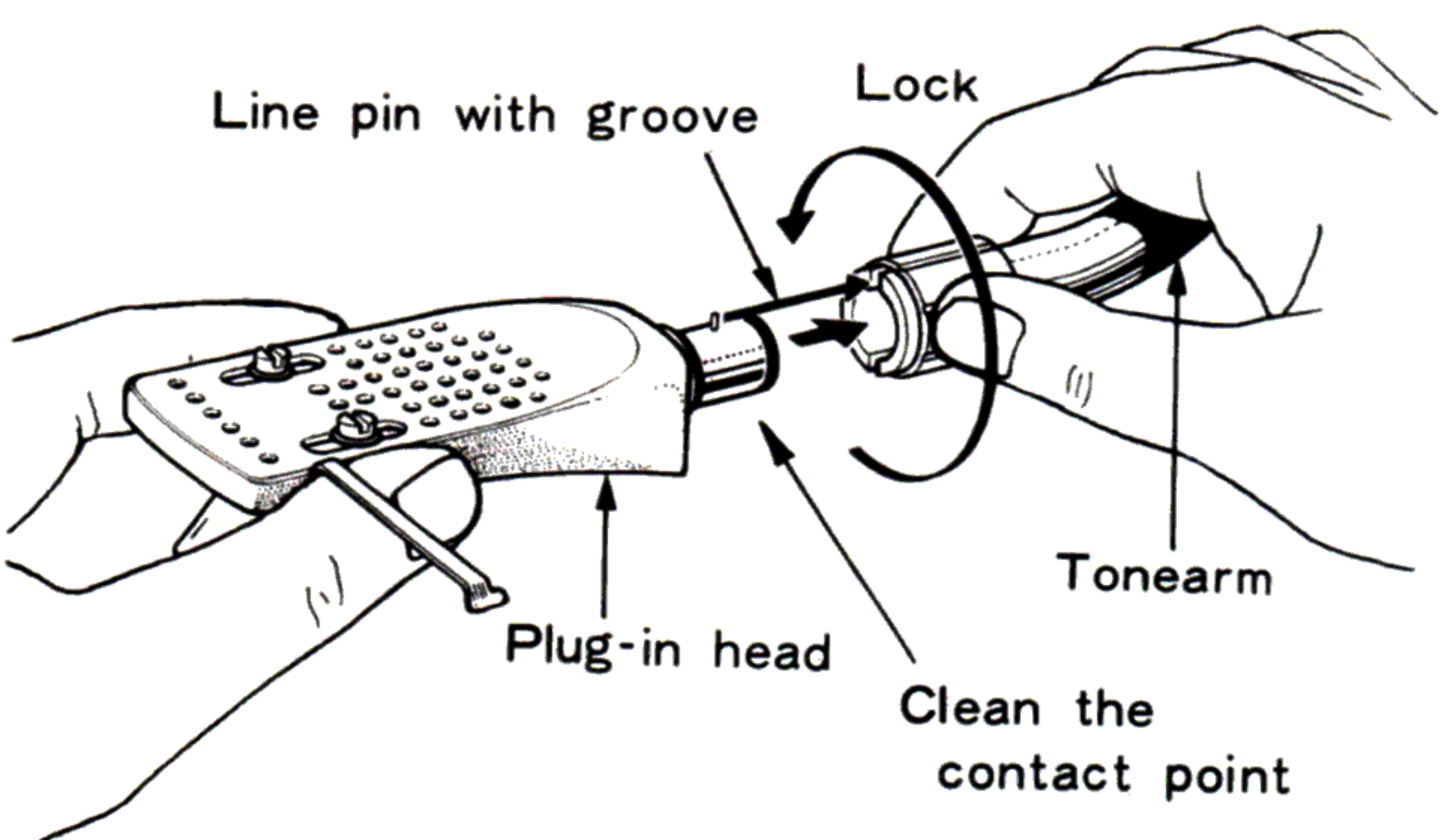
ASSEMBLY PROCEDURE

• Be sure to follow steps 1 to 6 in that order.

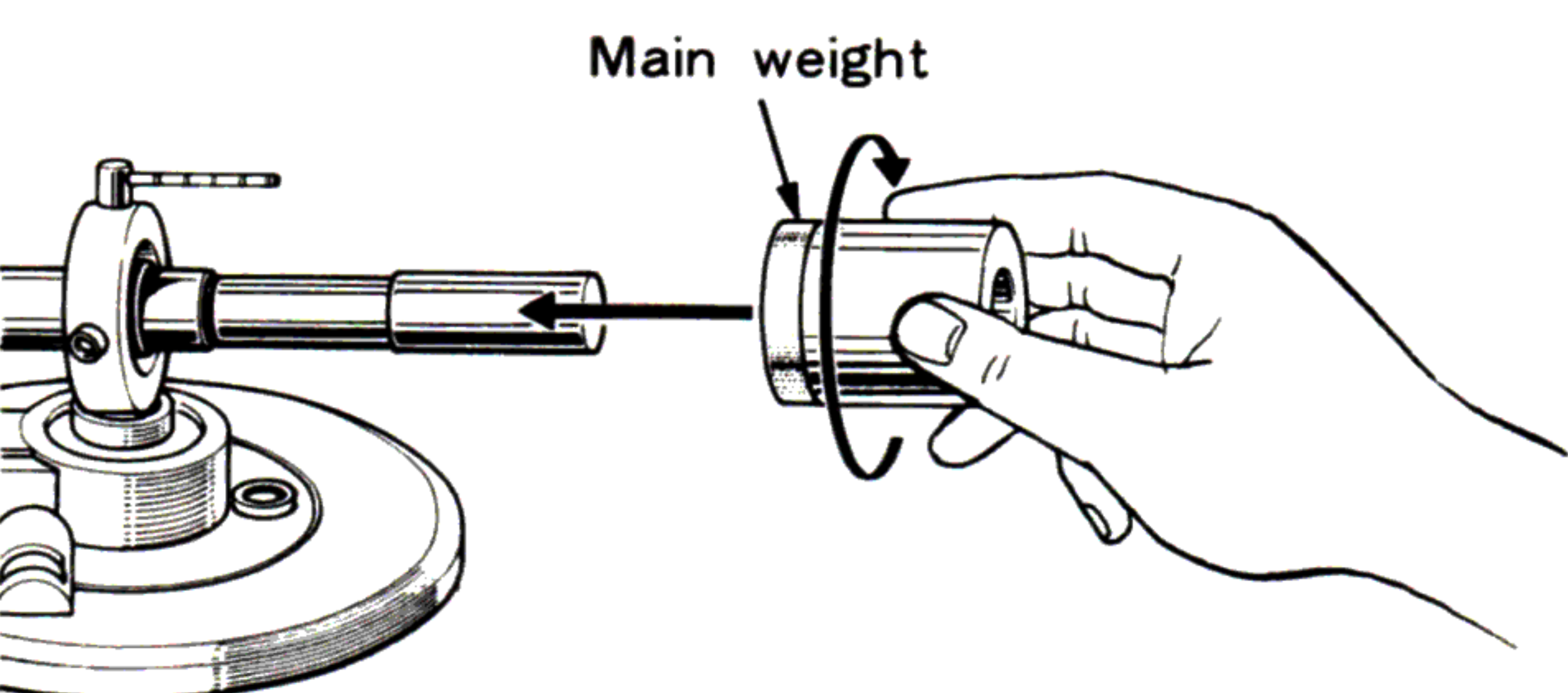
1. Remove the two bolts shown in the diagram. (Painted red for easy identification) These bolts were used to lock the turntable assembly to protect it during shipment.



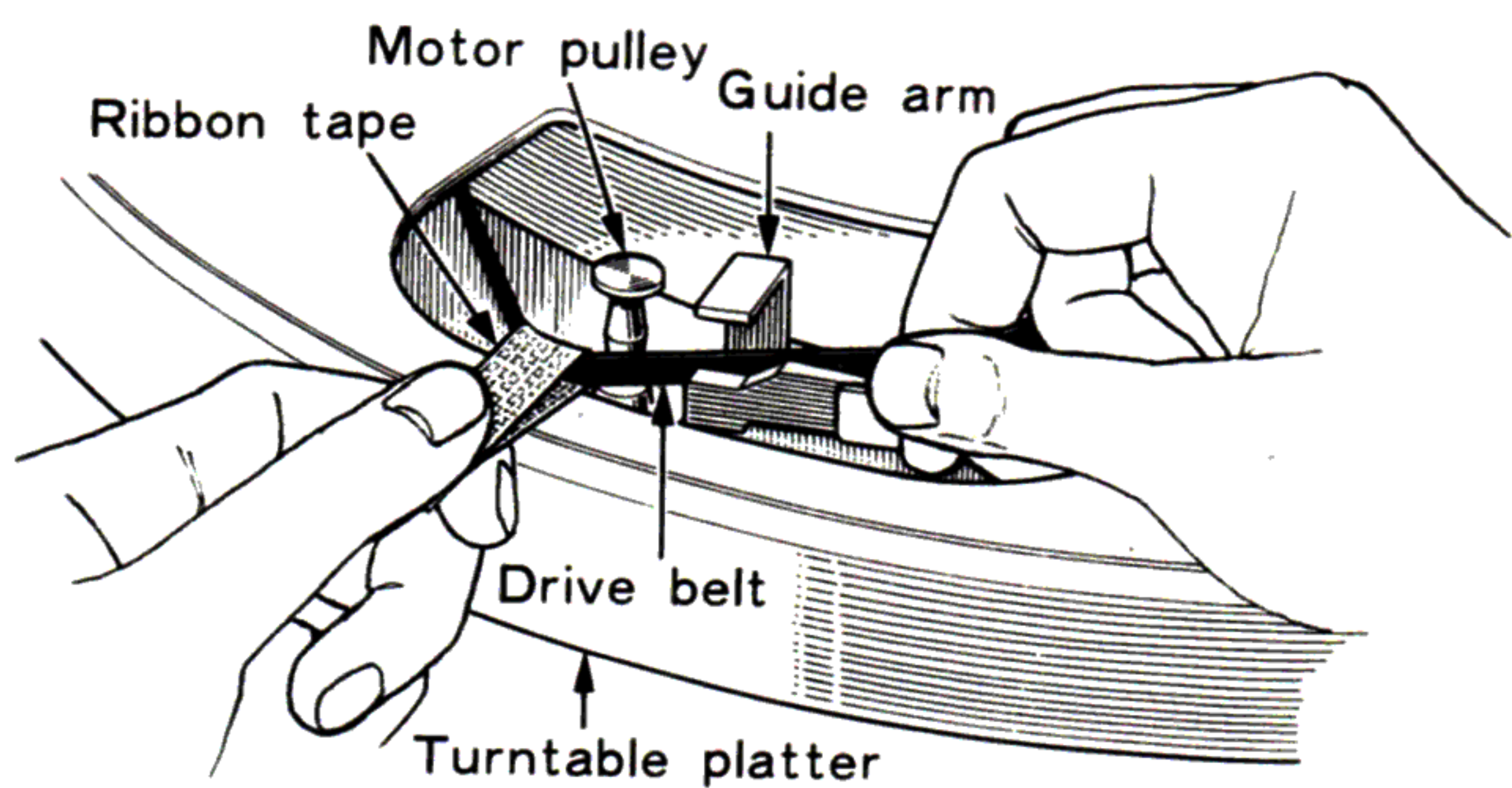
2. Insert the plug-in head into the tonearm.



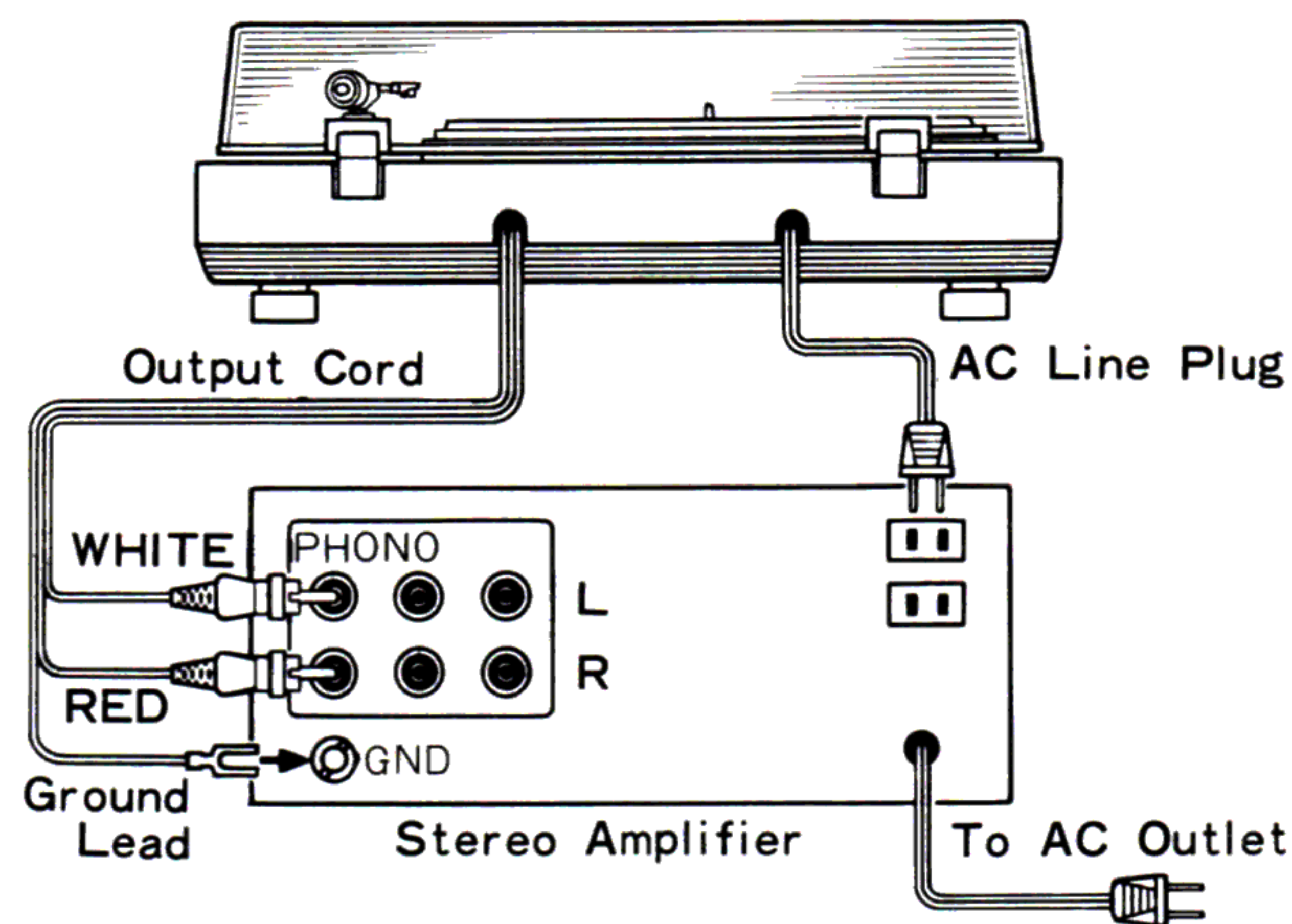
3. Attach the main weight to the rear of the tonearm.



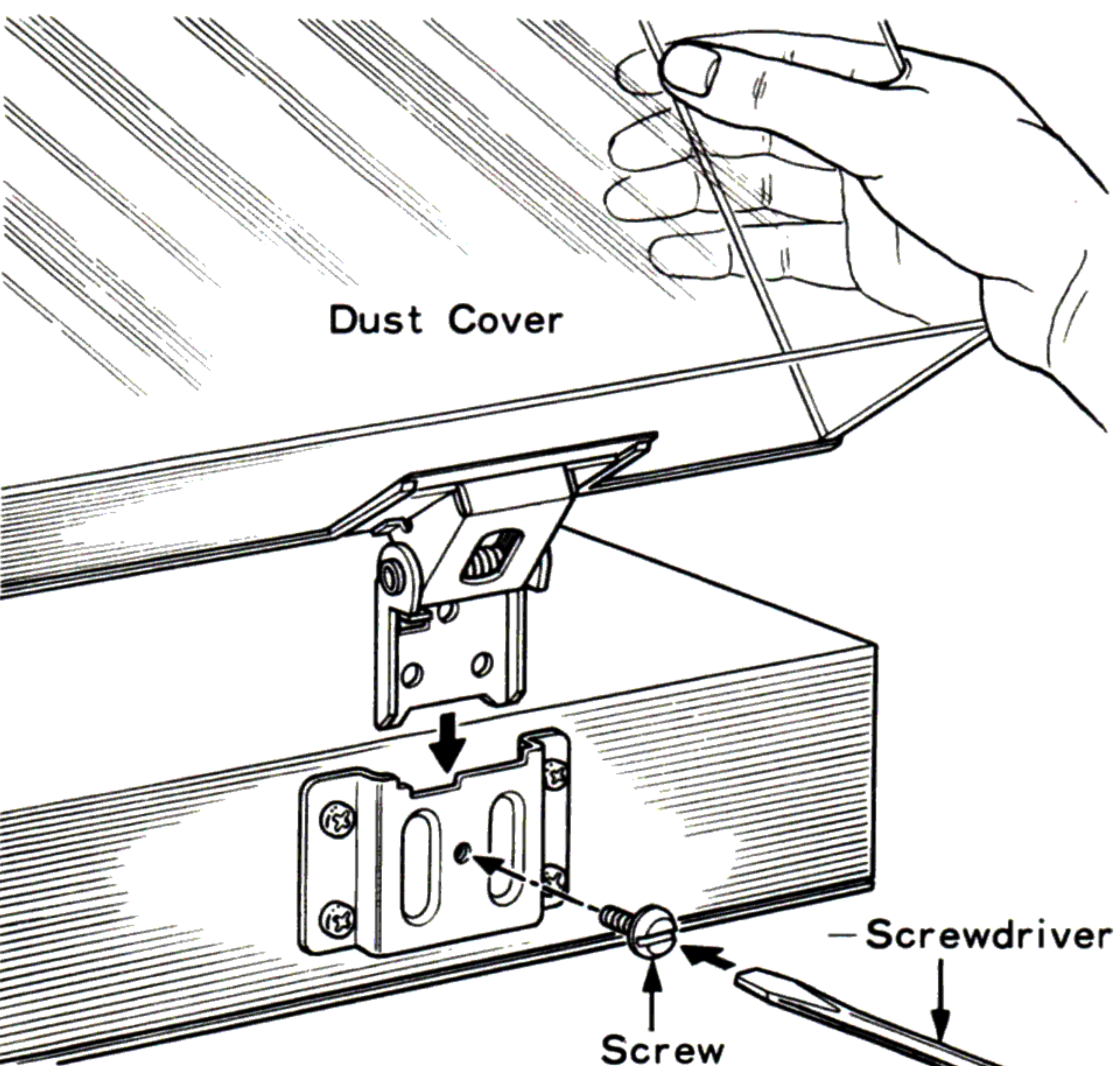
4. Place the turntable platter on the center shaft, and attach the drive belt to the motor pulley and guide arm. This can be done easily by using ribbon tape as shown below. Place the rubber sheet on the turntable platter.



5. Connect the audio cord, then the AC cord.

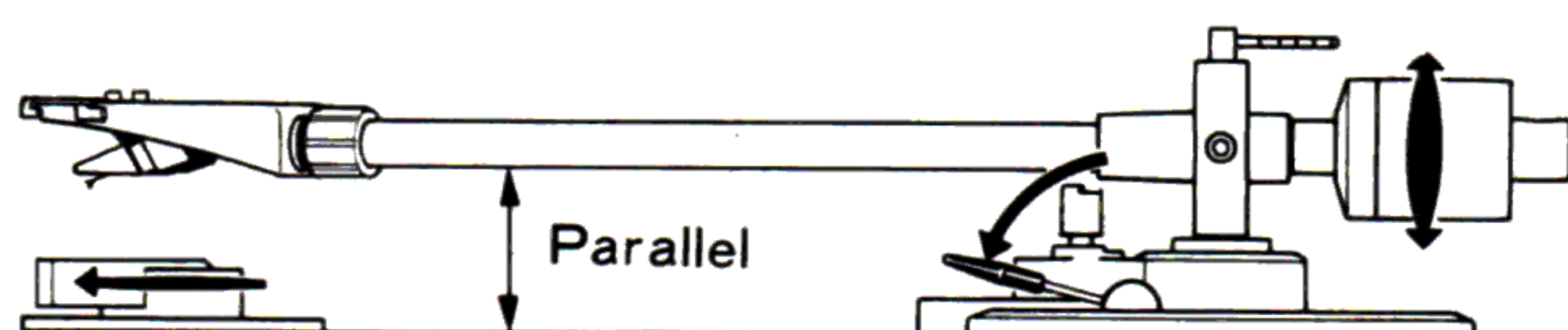


6. Install the dust cover. Use the screws that are supplied. They will ensure a closer fit.

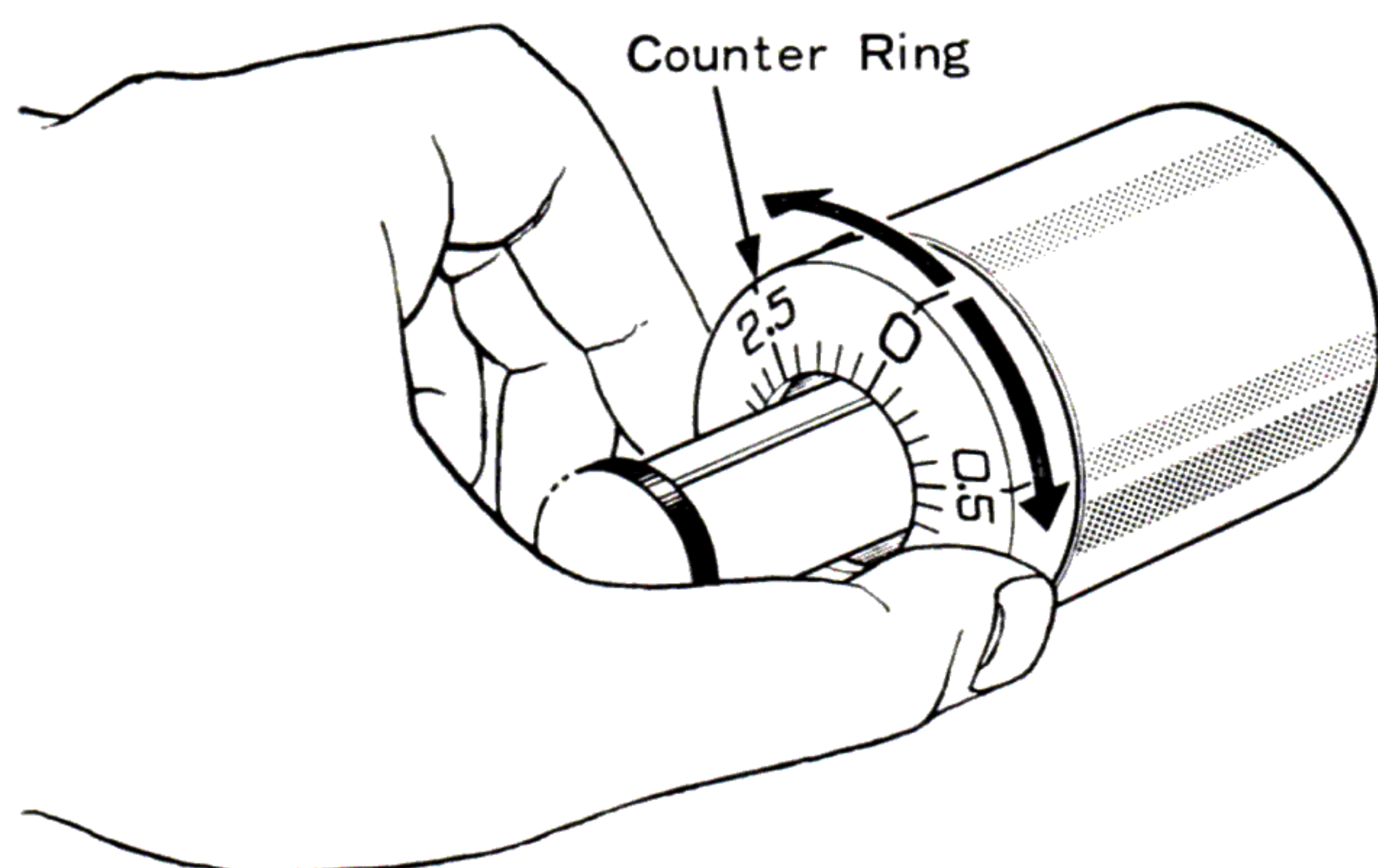


TRACKING FORCE ADJUSTMENT

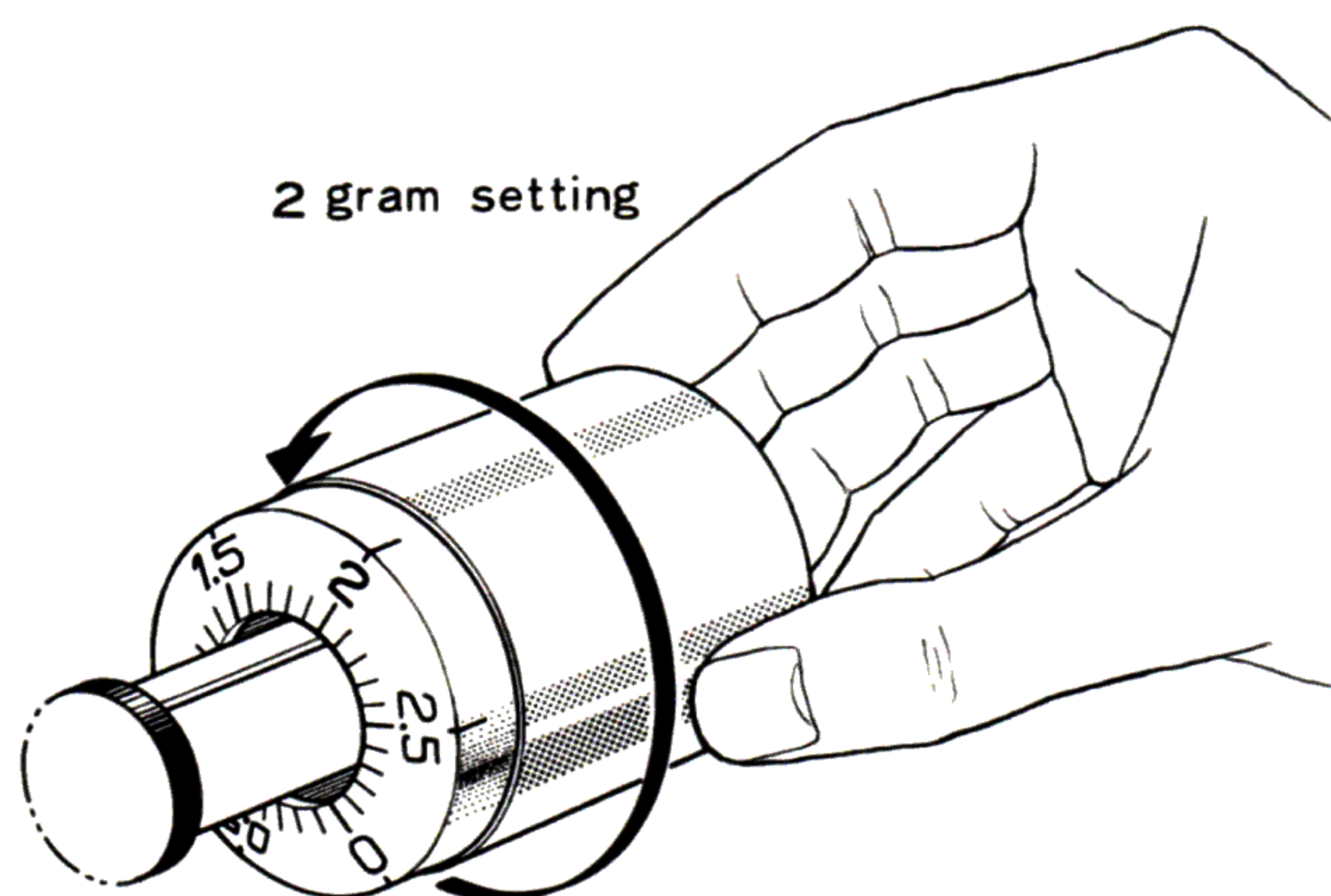
1. Remove the stylus cover and also the AC plug. Set the play lever to "PLAY."
2. Release the tonearm from the arm rest.
3. Turn the main weight either to the right or left so that the tonearm balances perfectly in a horizontal position.



4. Return the tonearm to the arm rest. Now hold the main weight in place and turn only the counter ring so that it points to "0" position.

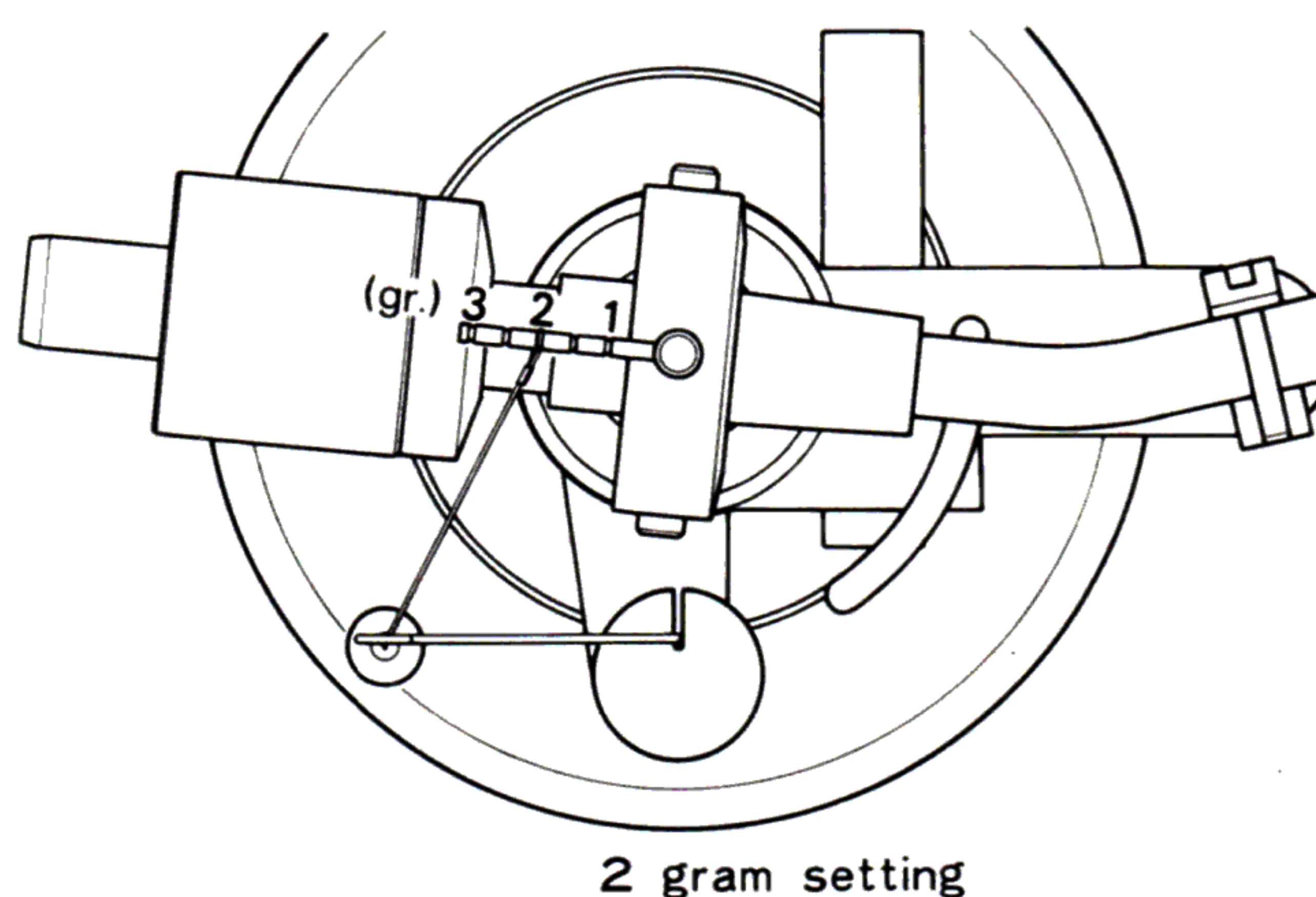
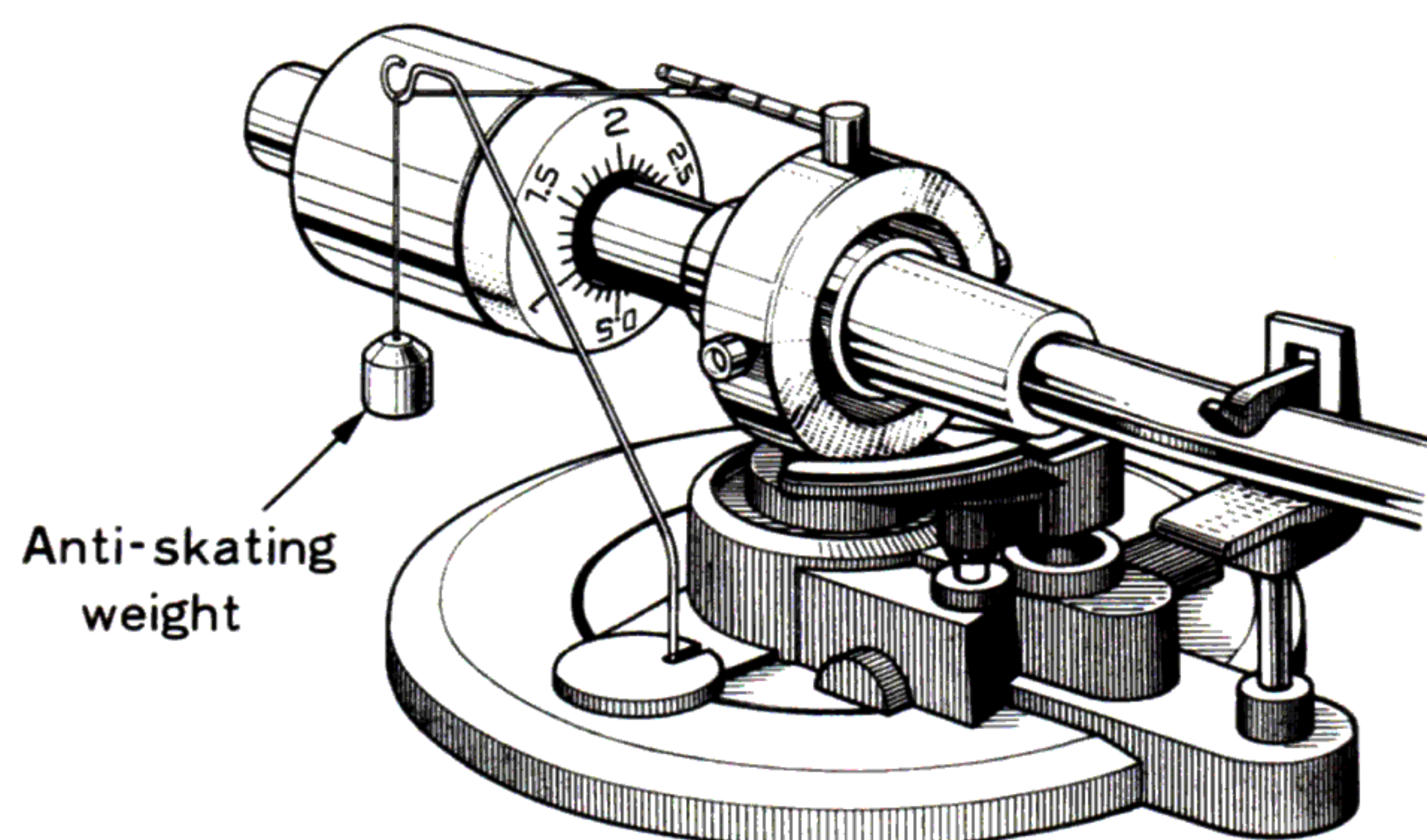


5. Turn the main weight to the right until the counter ring points to the tracking force recommended for the cartridge that is used.



6. Next install the anti-skating weight by hooking its string over the groove that corresponds to the tracking force of the cartridge.

This will place the correct counteracting force on the tonearm to offset its natural tendency to swing to the center and exert more pressure against the inside groove wall.



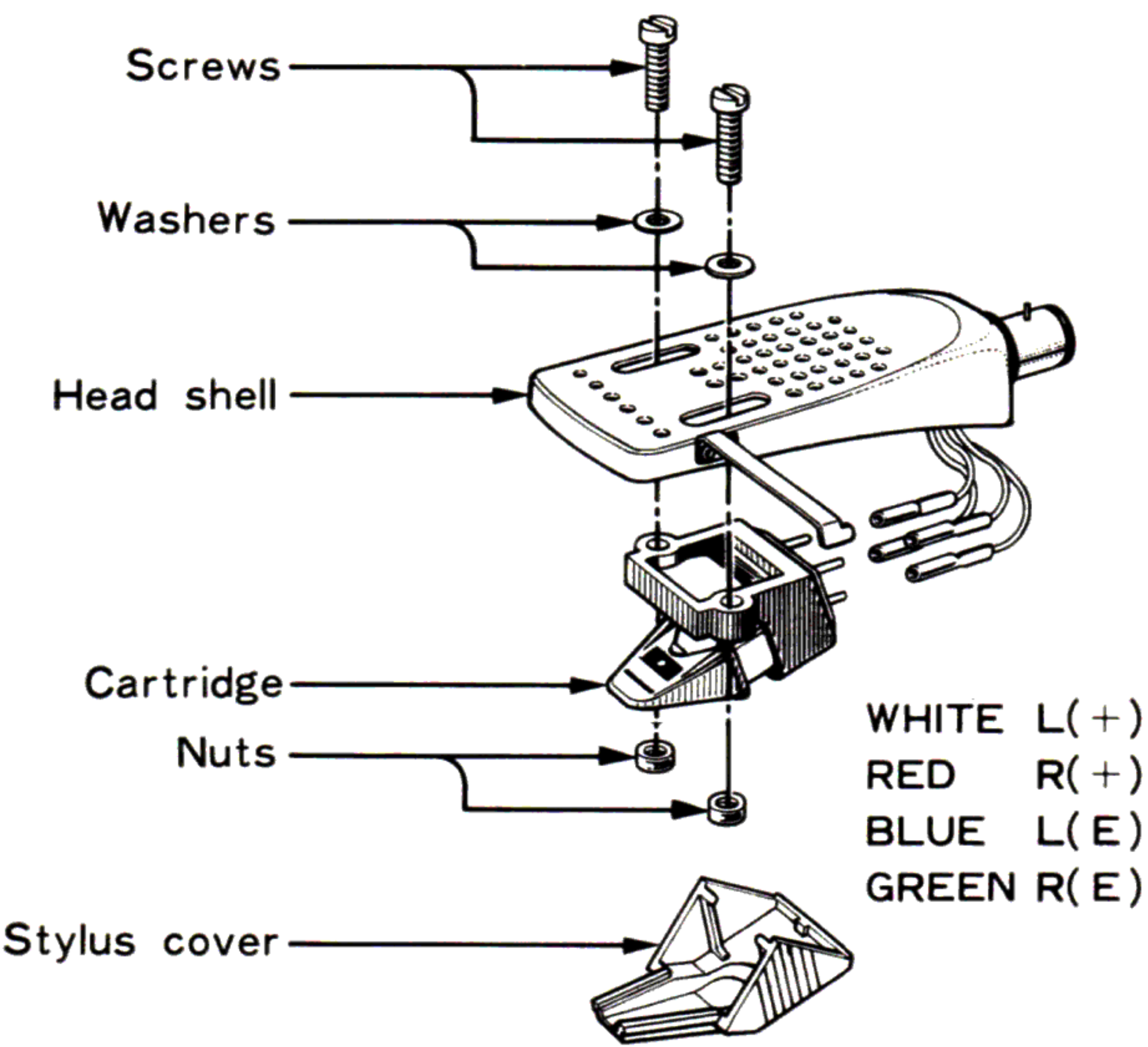
7. Push the "CUT" button to release the play lever. Then connect the AC cord.

Note: The V-47 cartridge is supplied with turntables that are shipped to certain areas of the world. Two grams is the recommended optimum tracking force for this V-47 cartridge.

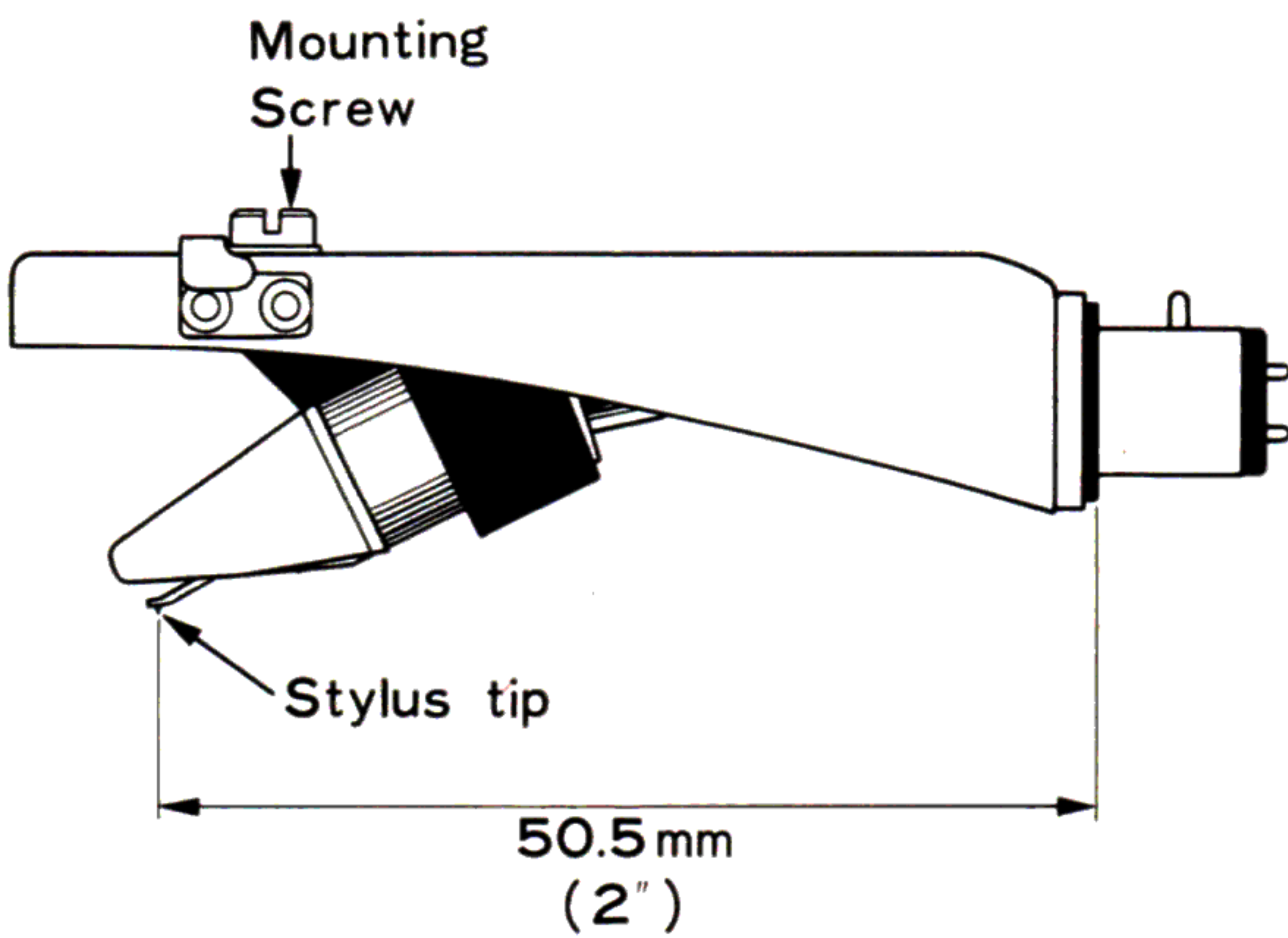
HOW TO ATTACH THE CARTRIDGE

Cartridge can be attached easily as follows. The tonearm uses EIA standard connectors that can accept any head shell on the market that conforms to this standard.

1. Connect four leads to the cartridge, as shown in below.



2. Attach the cartridge lightly to the head shell with the bolts and nuts that are supplied. Next you must make the overhang adjustment as follows. The figure below shows the head shell and cartridge in about the actual size and correct position. Adjust your cartridge to the head shell accordingly, and lock it in place by tightening the bolt nuts securely.



3. Plug the head with the cartridge into the tone arm, and readjust tracking force as explained on page 5 so that it conforms to the cartridge manufacturer's recommendation.

Cartridge can be replaced easily by removing the old one and attaching the replacement in the above manner.

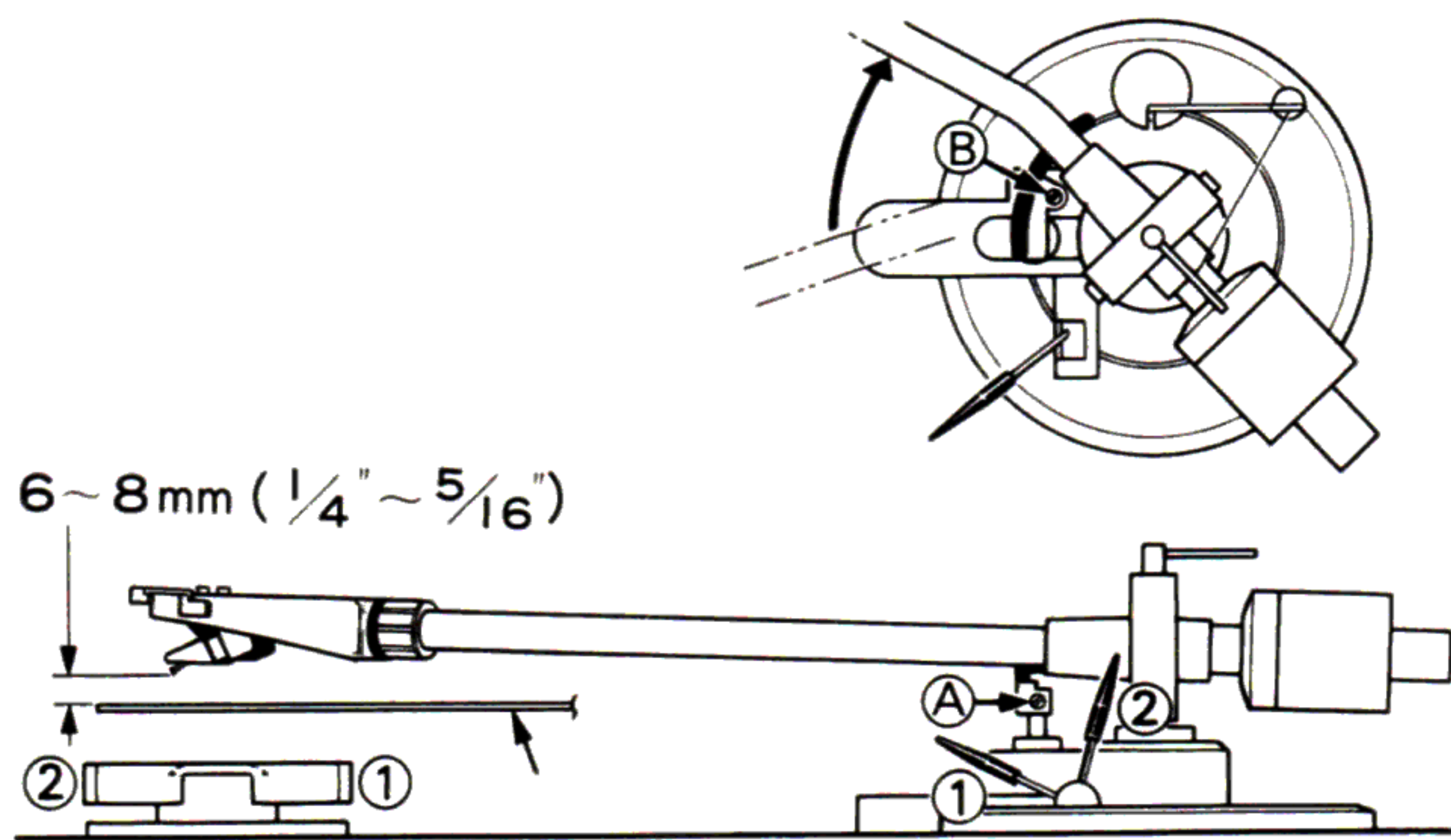
STYLUS HEIGHT ADJUSTMENT

If the height of the newly replaced cartridge is considerably different from that of the accessory cartridge, the following checks are required:

- Under the PLAY condition the stylus tip should descend on the record surface and the arm elevation should not contact the tonearm.
- When the play lever is released, the stylus tip should be sufficiently separated from the record surface.

If there is any abnormality, the following adjustments are required to correct the stylus height.

1. Set the elevation lever to "▼" and release the play lever. Then adjust the screw ① to change the arm elevation level so that the stylus tip is 6 to 8 mm above the record surface.
2. Set the elevation lever to "▼" and the play lever to the "PLAY" position. Then turn the screw ② until the stylus tip is positioned 6 to 8 mm above the record surface.



Notes:

The plug-in head can be mounted or removed after completing the following:

- Clamp the tonearm exactly on the arm rest.
- Move the amplifier volume control to the "0" position or the POWER switch to the "OFF" position.

OPERATING INSTRUCTIONS

- (1) Check the turntable connections to the amplifier. Also see that the amplifier's function knobs are set in correct positions.
- (2) Check the tracking force adjustment.
(see page 5)
- (3) Place the desired record on the turntable platter. If a 45 rpm "donut" style record is selected, use the EP adaptor that is supplied with this turntable.
- (4) Set the speed selector to the correct speed of the record that is chosen.
- (5) Set the elevation lever to "▼" position.
- (6) Remove the stylus cover and swing the tonearm over the starting position.
- (7) Set the play lever to "PLAY".
The turntable platter will revolve.
- (8) Switch the elevation lever to "▼". The tonearm will descend gently until the stylus engages the groove and record play will begin.
- (9) At the end of record play, the tonearm will automatically return to the arm rest. Simultaneously the play lever will be released automatically and the platter will stop turning.

- If you wish to interrupt record play temporarily, you may switch the elevation lever to "▼".

The tonearm will then rise to disengage the stylus from the record groove, but the platter will continue to turn. The stylus will remain stationary in this position so that record play can be resumed at this point at any time.

- If you wish to stop reproduction part way through a record, push the cut button. The tonearm will return automatically to the arm rest, and the platter will stop turning.

HANDLING OF RECORDS

When handling a record, the sound grooves must not be touched with the fingers. Fingerprints on the sound grooves will soon collect dust. This can cause noise and excessive stylus wear. Therefore, the record should be carefully wiped with a qualified record cleaner before using.

Records must not be exposed to direct sunlight, heat radiating materials, dust, and moisture. They must not be piled up. Storing them vertically is a recommendable system. If they are carelessly kept, this will cause bending and warped records.

AFTER RECORD PLAY

Always fix the tonearm to the arm rest lock and mount the stylus cover to protect the stylus tip.

PLAY START ZONE

Record play cannot be started within a radius of 63 mm (2-1/2") from the center of the record.

TROUBLE SHOOTING

Check the following if . . .

. . . **hum (boom, zzz noise) is encountered.**

- Check whether the audio cord and the ground wire are respectively connected between the turntable and amplifier.
- Check whether the plug-in head is perfectly mounted.
- Rearrange the audio cord and try changing the turntable position.
- Reverse the AC line plug insertion.

. . . **howling occurs.**

- Howling occurs when vibrating air pressures of speaker cone movements cause resonant vibrations in the turntable. This can be transmitted directly to the turntable, or it can happen through resonant vibrations of loose floorboards.

Place the turntable away from the speaker system, preferably in a room with solid flooring to avoid this disturbance.

MAINTENANCE

LIFE OF A STYLUS

A diamond stylus is used in most cartridges. It is normally good for 500 hours for LP records on one side, but this varies greatly depending on how it is used.

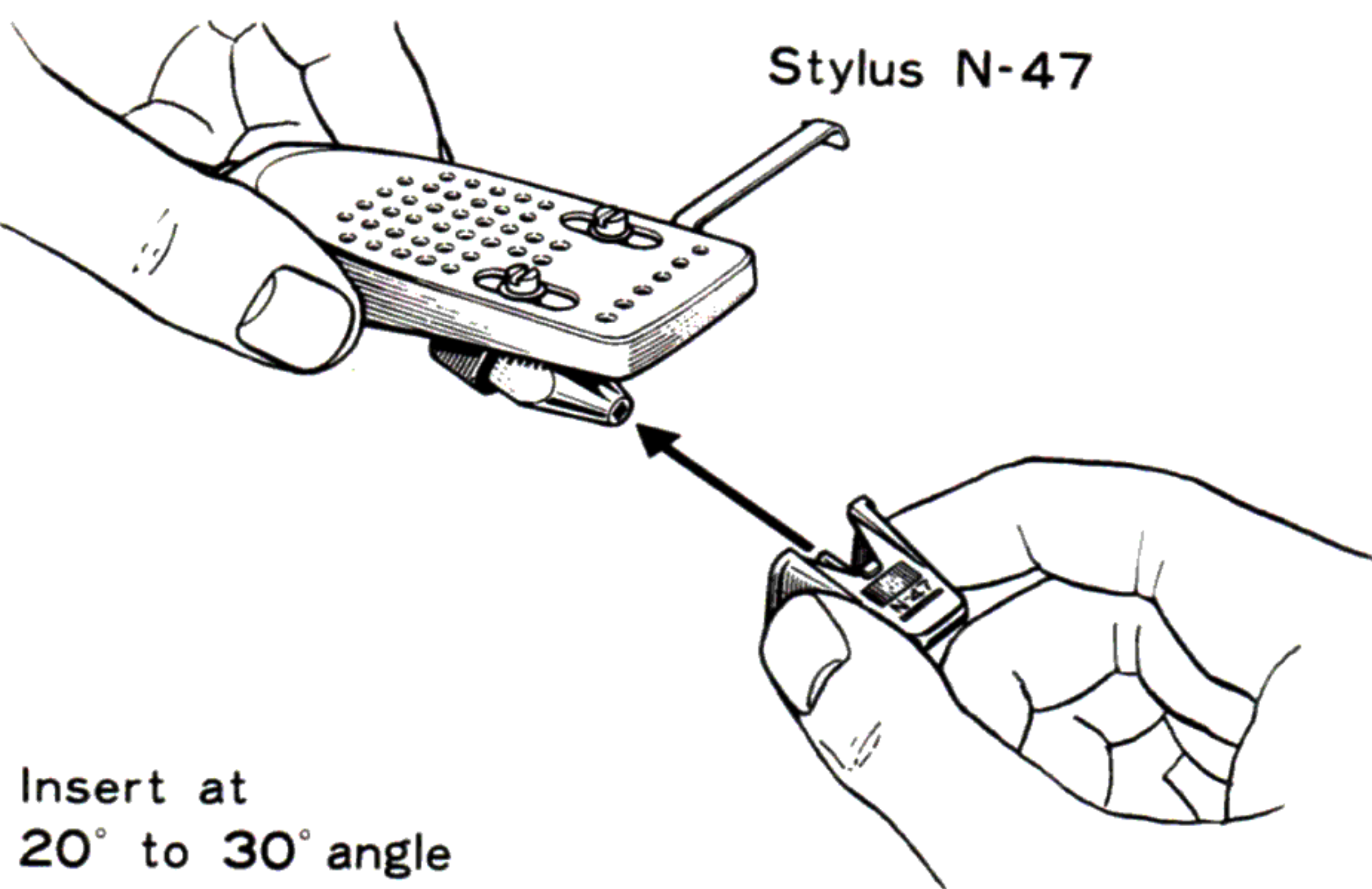
A worn stylus will cause treble tones to increase in harshness. To prevent excessive record wear, a stylus should be replaced as soon as this becomes noticeable.

HOW TO REPLACE THE STYLUS

N-47 is the designation of the replacement stylus for that used in the V-47 cartridge.

Replacement stylus may be obtained from the dealer from whom you purchased this turntable.

You can replace the stylus easily as shown below.



CLEANING THE CASE AND THE DUST COVER

Clean the case and dust cover gently with dry cloth or silicone cloth. In case they are badly dirtied, wipe them with a well wrung cloth that has been wetted in soapsuds.

Never use thinner, alcohol, benzine or other volatile liquids.

PERIODICAL CHECK-UP

Generally, machines operated over long periods without proper care and maintenance may develop trouble due to poor lubrication, wear, deterioration or the like. To ensure a long service life and stable operation, periodical check-up at an interval of two years or so, if possible is recommended even if the equipment appears to be working normally.

Please have such a periodical check-up made through the dealer.

SPECIFICATIONS

MOTOR & TURNTABLE

Drive system	Belt drive system
Motor	4 pole synchronous motor
Turntable platter	30cm (12inch) diameter zinc alloy die-cast
Speeds	2 speeds, 33-1/3 and 45 r.p.m.
Wow & Flutter	Less than 0.055% (W.R.M.S.)
Rumble	DIN weighted better than -65 dB DIN unweighted better than -43 dB

ONEARM

Type	Static balance type S - Shaped pipe arm EIA Plug-in connector
Effective tonearm length	225 mm (8 - 7/8 inch)
Overhang	15 mm (9/16 inch)
Tracking error	±1.5 degree
Tracking force variable range	0 to 3 grams
Usable cartridge weight	4 to 10 grams

CARTRIDGE

(U.S.A. and U.K. models are not equipped with the V-47 cartridge.)	
Furnished cartridge	V-47
Stylus	N-47
Frequency response	20 Hz to 20,000 Hz
Output voltage	2.3 mV (1,000 Hz, 5 cm/sec)
Optimum tracking force	2.0 ± 0.5 grams
Load impedance	50k ohms
Replacement stylus	N-47

ADDITIONAL FEATURES	• Auto-return/cut tonearm mechanism • Anti-skating device • Viscous-damped cueing device • Tracking force direct-readout counter • Plug-in type headshell • Built-in insulator
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MISCELLANEOUS

Power requirement	AC 120V, 60 Hz: U.S.A. and CANADA model AC 120V/220V (Switchable) 50Hz/60Hz: European model AC 120V/240V (Switchable) 50Hz/60Hz: Others
Power consumption	8 Watts
Dimensions	W 468mm X H 151mm X D 365mm W 18-7/16" X H 5-15/16" X D 14-3/8"
Weight	7.0 Kg (15.4 lbs)

SUPPLIED ACCESSORY	EP adaptor
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CABINET MATERIAL	Particle board laminated with polyvinyl chloride finish is used in the construction of cabinet. Bottom cover is injection molded from ABS copolymer resin.
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KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

