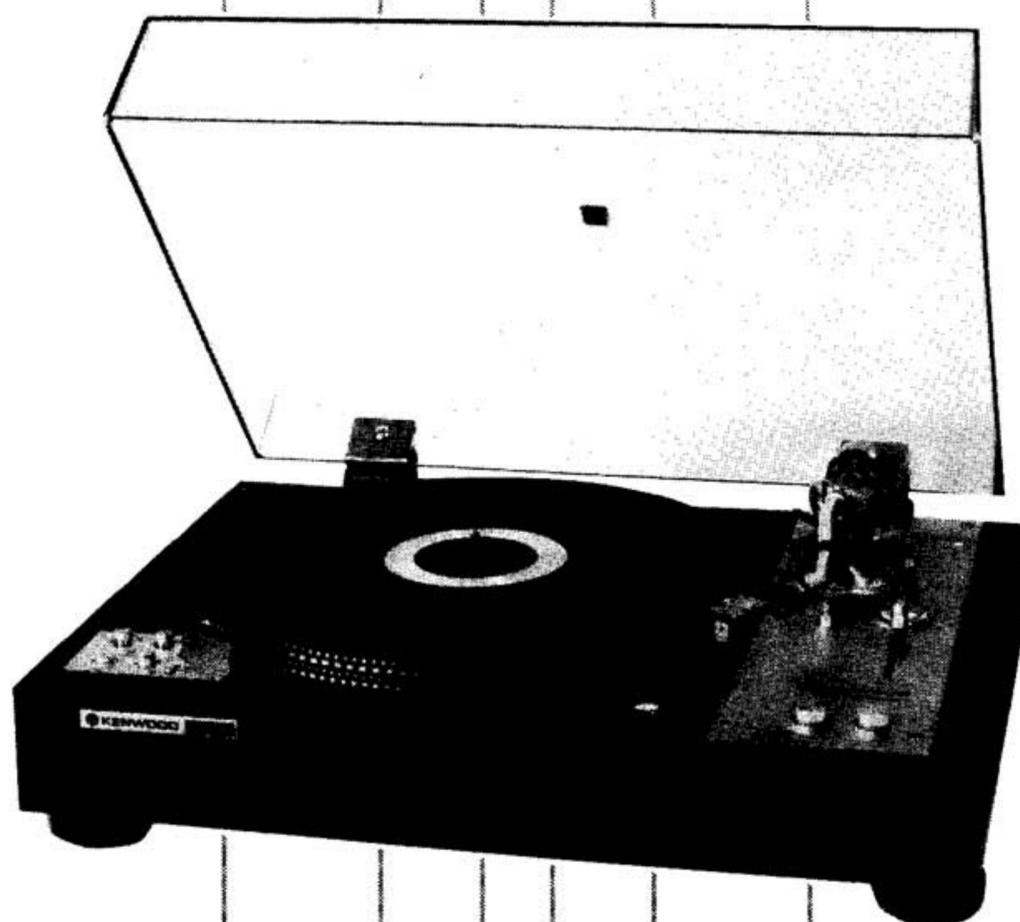


FULL-AUTOMATIC DIRECT-DRIVE TURNTABLE

KD-5066

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.

Turn the pages and become acquainted with the exciting features of your new turntable, features that will remain new for endless hours of listening pleasure.

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.

CONTENTS

INTRODUCTION	2
FEATURES	2
NOTES	3
ASSEMBLY PROCEDURE	5
STYLUS PRESSURE ADJUSTMENT	5
OPERATING INSTRUCTIONS	6
HOW TO ADJUST THE TURNTABLE SPEED	8
HOW TO ATTACH THE CARTRIDGE	8
MAINTENANCE	9
TROUBLE SHOOTING	11
SPECIFICATIONS	12

FEATURES

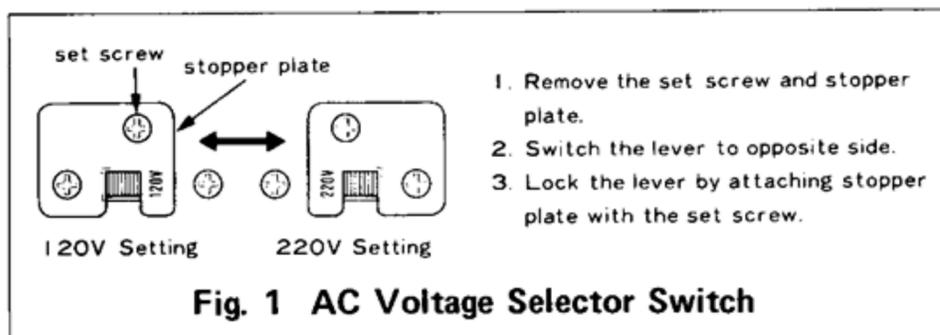
- 1. Direct Drive System**
The direct drive system with 20 pole 30 slot DC servo motor is excellent both in wow and flutter and rumble, providing great reliability which leads to longer life of your turntable.
- 2. Stroboscope with Lamp**
Stroboscope stripe patterns are etched into the outer rim of the turntable platter to enable speed accuracy checks. And the correct speed can be obtained by turning the speed adjusting knob.
- 3. Reliable Full Automatic Mechanism**
This is a fully automatic turntable that only requires the operator to place a record on the platter and press a button. It can also be used manually, if desired.
- 4. Static-Balance Type Tonearm**
S-shaped static-balance type tonearm is equipped with an **Anti-Skating Device** that is adjustable during record play.
- 5. KENWOOD Cartridge V-41A**
The cartridge V-41A is V-shaped dual magnet type.
- 6. Woody Cabinet Adopting ARCB Together**
* ARCB = Anti-Resonance Compression Board
- 7. Free-Stop Action Dust Cover**
- 8. Large Insulator Legs** ensure excellent cushion effect to prevent acoustical feedback.
The turntable can be easily installed level using the **Level Indicator** and the adjustable insulator legs.
- 9. Pause Mechanism** enables temporary interruption of record play when desired.
- 10. Provided with Shell Stand** for keeping extra head shell.
- 11. Low Capacitance Phono Cable**

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

NOTES

AC VOLTAGE SELECTOR SWITCH

1. This unit is equipped with an AC Voltage Selector Switch beneath the Turntable Platter that 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 Switch matches your line voltage. If not, it must be changed to the proper setting.
2. Be sure to remove the AC Plug when setting the AC Voltage Selector Switch.
3. Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC Voltage Selector Switch.



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

PRECAUTIONS CONCERNING INSTALLATION

Close attention to the following installation hints will help you to get best performance from this turntable.

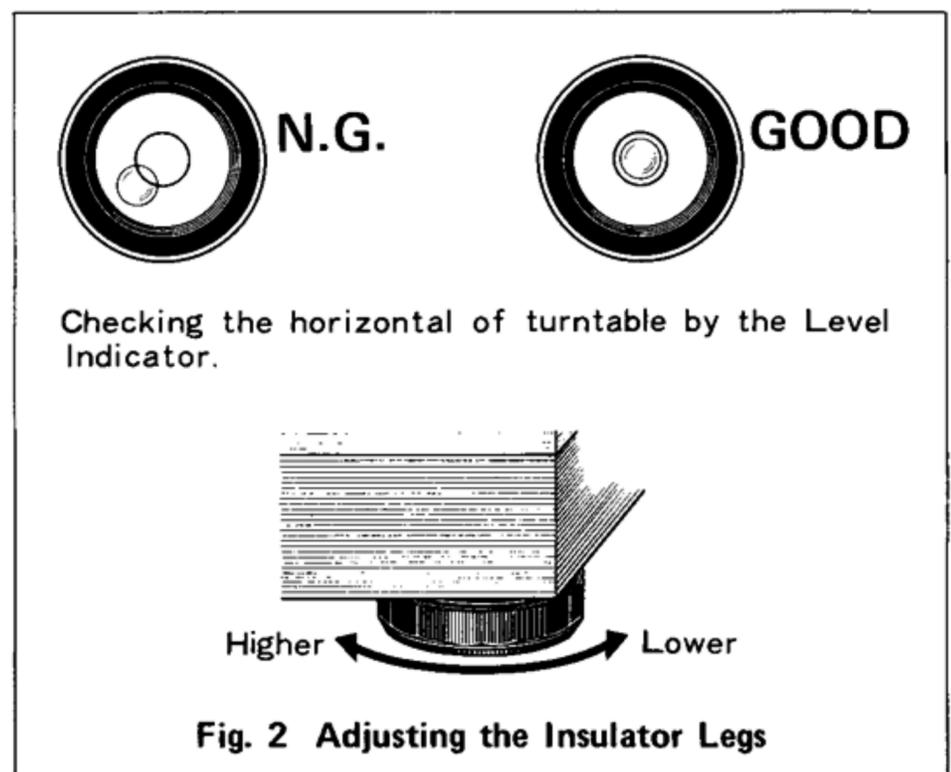
- (a) Install the turntable in a perfectly horizontal position on a firm foundation that is free from vibration.
- (b) Avoid locations that are subject to direct sunlight, and those adjacent to heaters or stoves.
- (c) Best performance may not be obtained in extremely cold, freezing temperatures.

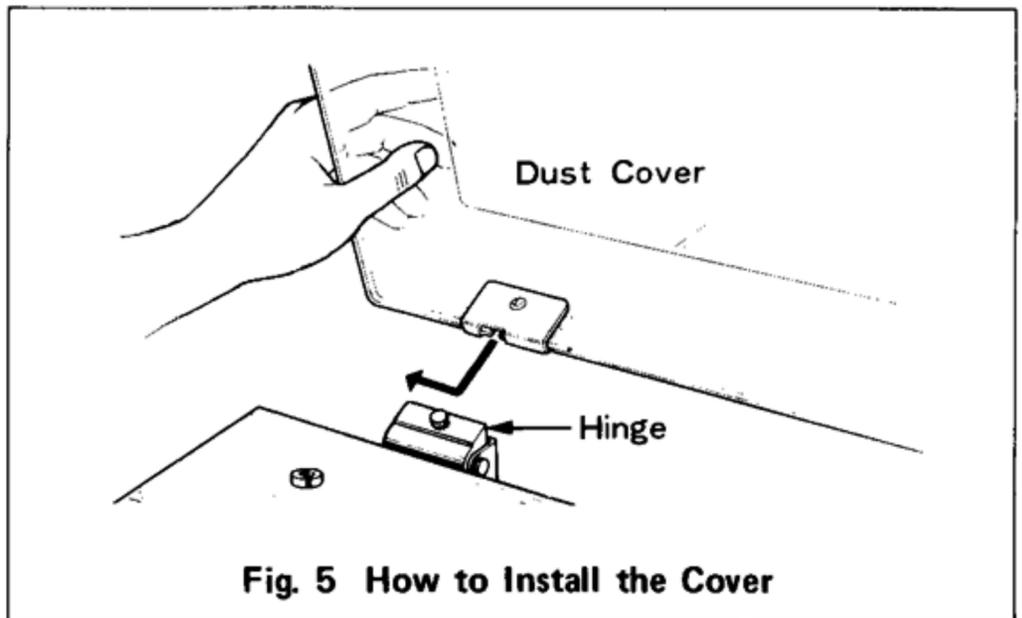
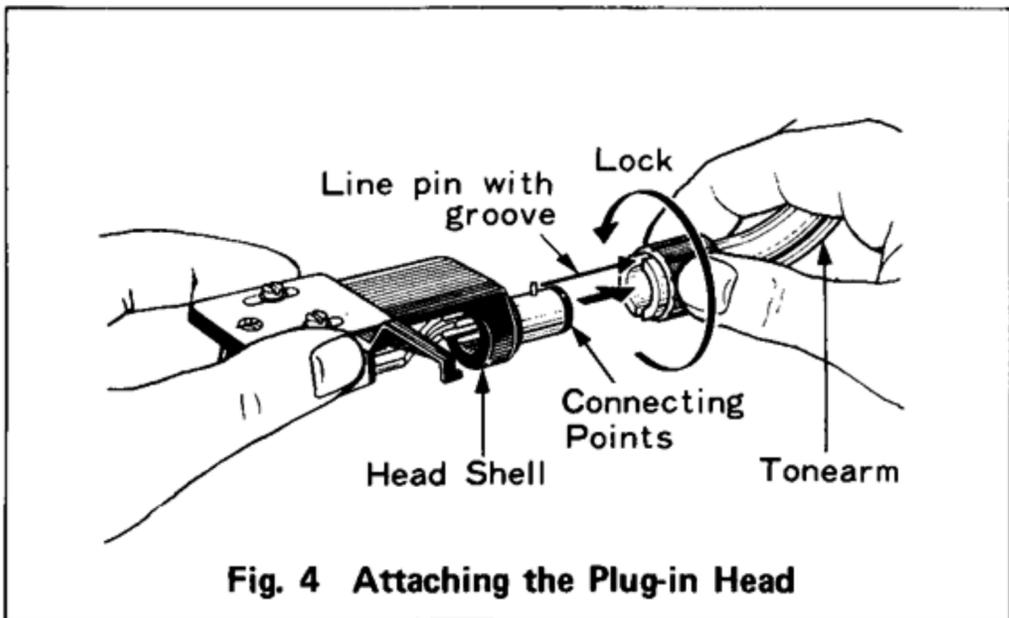
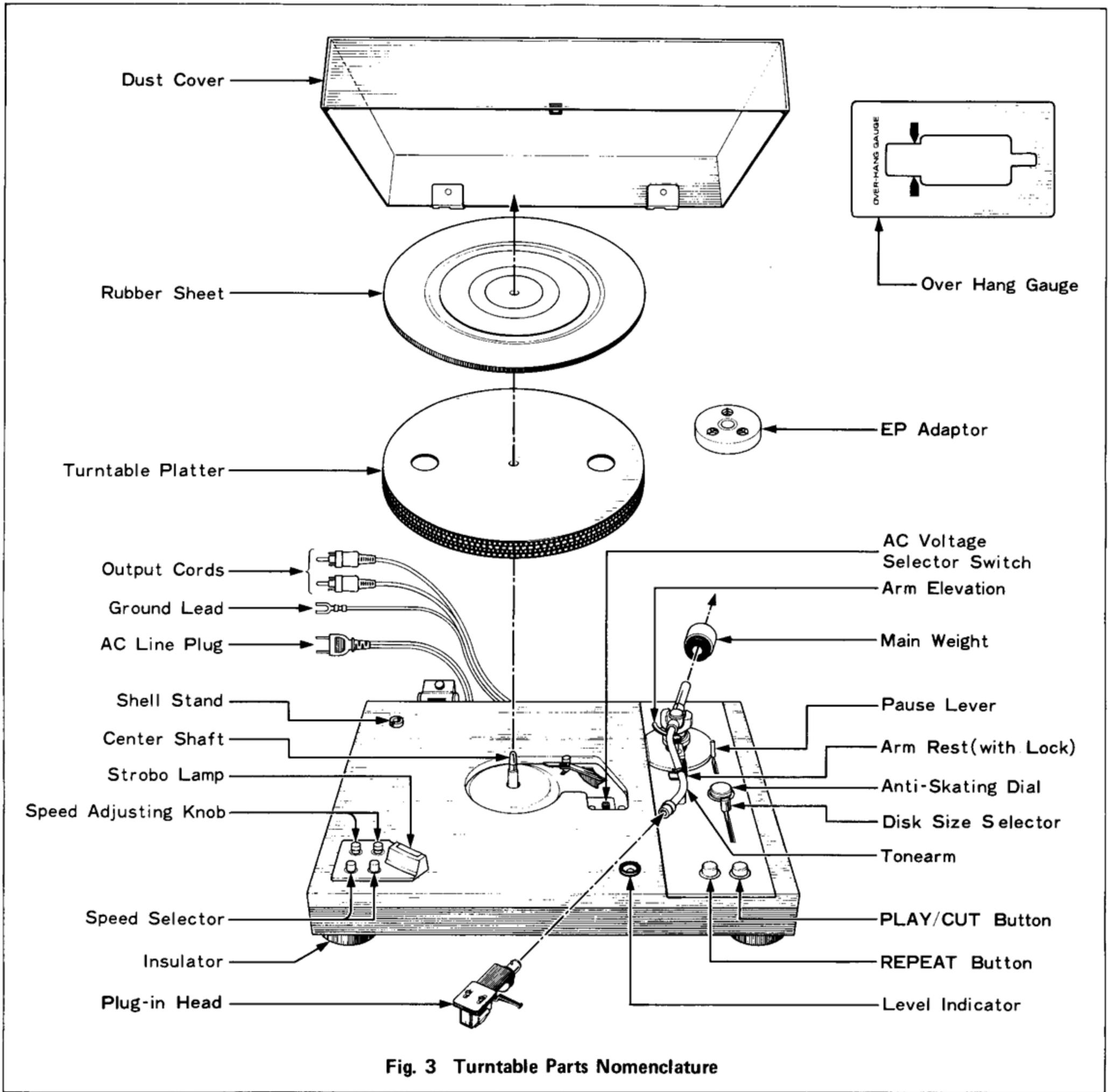
- (d) Avoid damp locations and places where there is no ventilation.
- (e) It is advisable to keep the turntable as far away from the speakers as possible to prevent howling and feedback problems.

LEVEL ADJUSTMENT USING THE LEVEL INDICATOR

If the turntable is not placed on a level, deterioration of miscellaneous characteristics may result. The turntable can easily be adjusted using the level indicator and the adjustable insulator legs.

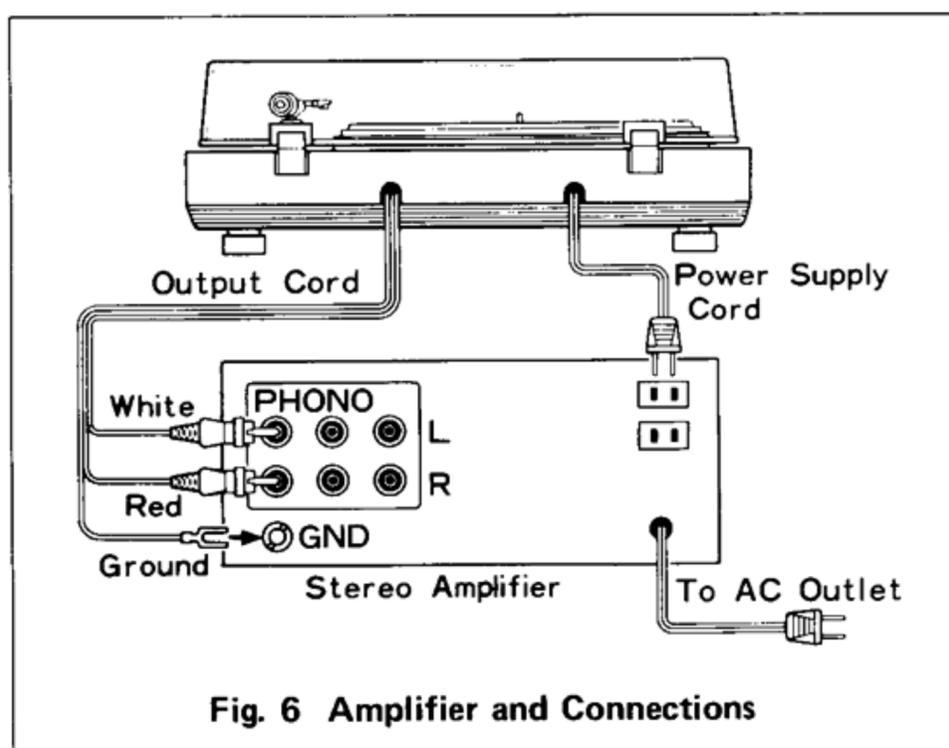
As shown in Fig. 2, the turntable is installed level by adjusting the height of each insulator leg so that the air bubble comes to the circled center of the level indicator. This adjustment should be performed after the assembly of the turntable has been completed.





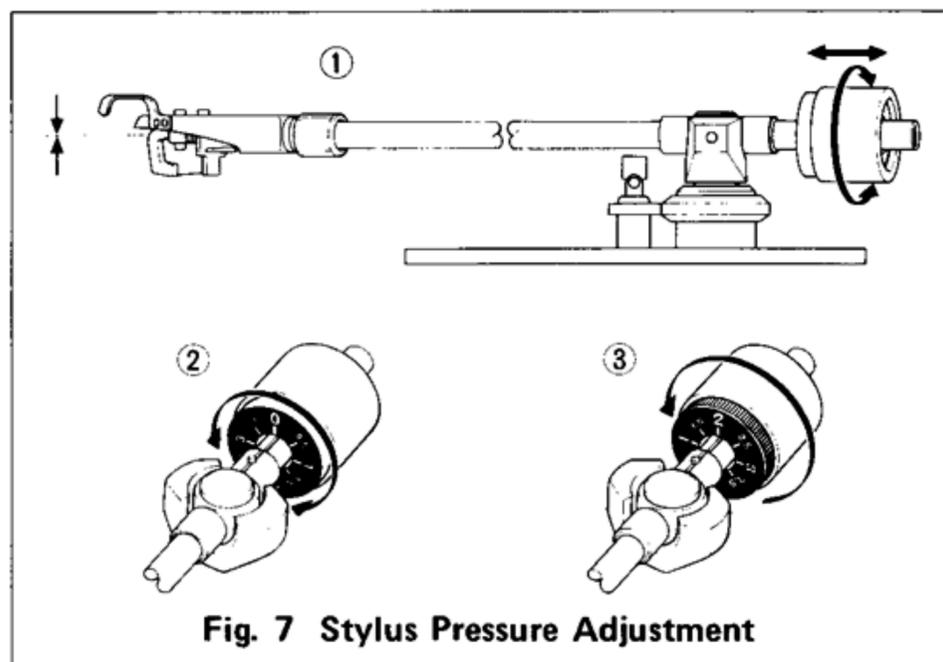
ASSEMBLY PROCEDURE

1. Beside the main turntable section, your carton should contain the parts shown in Fig. 3. Check them off when you open the carton.
2. Place the turntable platter on the center shaft, and place the rubber sheet on the platter.
3. Attach the plug-in head to the tonearm lining up the head pin with the tonearm groove as shown in Fig. 4.
Be sure the connecting points have been cleaned thoroughly beforehand.
4. Attach the main weight to the rear end of the tonearm by turning in to the right.
5. Connect the output cords (White plug "L", Red plug "R") extending from the rear of the turntable to the PHONO input terminals that are available usually on the rear panel of most amplifiers. The ground lead from the turntable should also be connected to the GND terminal of your amplifier. (Fig. 6)
6. Finally attach the dust cover to the turntable as shown in Fig. 5. It has been especially designed to be attached or removed easily with a "one-touch" operation.



STYLUS PRESSURE ADJUSTMENT

- ☆ First, insert the AC line plug into an AC outlet. Set the size selector to "MANUAL" position and push the "PLAY" button. Disconnect the AC line plug when the arm elevation has descended.
1. Set the anti-skating dial to "B", and pause lever to ∇ position.
 2. Remove the stylus cover and release the tonearm from the arm rest lock.
 3. Move the main-weight forward or backward by turning it one way or the other so that the tonearm assumes a perfectly horizontal position. (Fig. 7-①)
 4. Now hold the main-weight in place and turn only the stylus pressure indicator to "0" reading. (Fig. 7-②)
 5. The main-weight now be turned so that the indicator points to the cartridge manufacturer's recommended stylus pressure. The optimum stylus pressure of the KENWOOD cartridge V-41A is 2 grams. (Fig. 7-③)
 6. The anti-skating dial should always be set to the same value as the correct stylus pressure of the cartridge used.
- ☆ Insert the AC line plug into an AC outlet and push the "CUT" button. Arm elevation will ascend and the platter will stop turning simultaneously.



OPERATING INSTRUCTION

FOR AUTOMATIC OPERATION

1. Before operating the turntable, recheck the connections to the amplifier and amplifier control settings to see that they have been made correctly. Also check correctness of stylus pressure adjustment. (See on page 5)
2. Place a record on the turntable platter. If an EP record is used, the EP adaptor that is supplied must first be inserted into the center shaft.
3. Set the size selector to either 30, 25, or 17, whichever corresponds to the size (diameter in centimeters) of the record you wish to play.
4. Set the speed selector to either 33 or 45, whichever corresponds to the correct speed of the record.
5. Release the tonearm from the arm rest lock. Set the pause lever to ∇ position. Push the "PLAY" button. The turntable will revolve and the tonearm will descend automatically

until stylus contacts record groove in this AUTO-IN action.

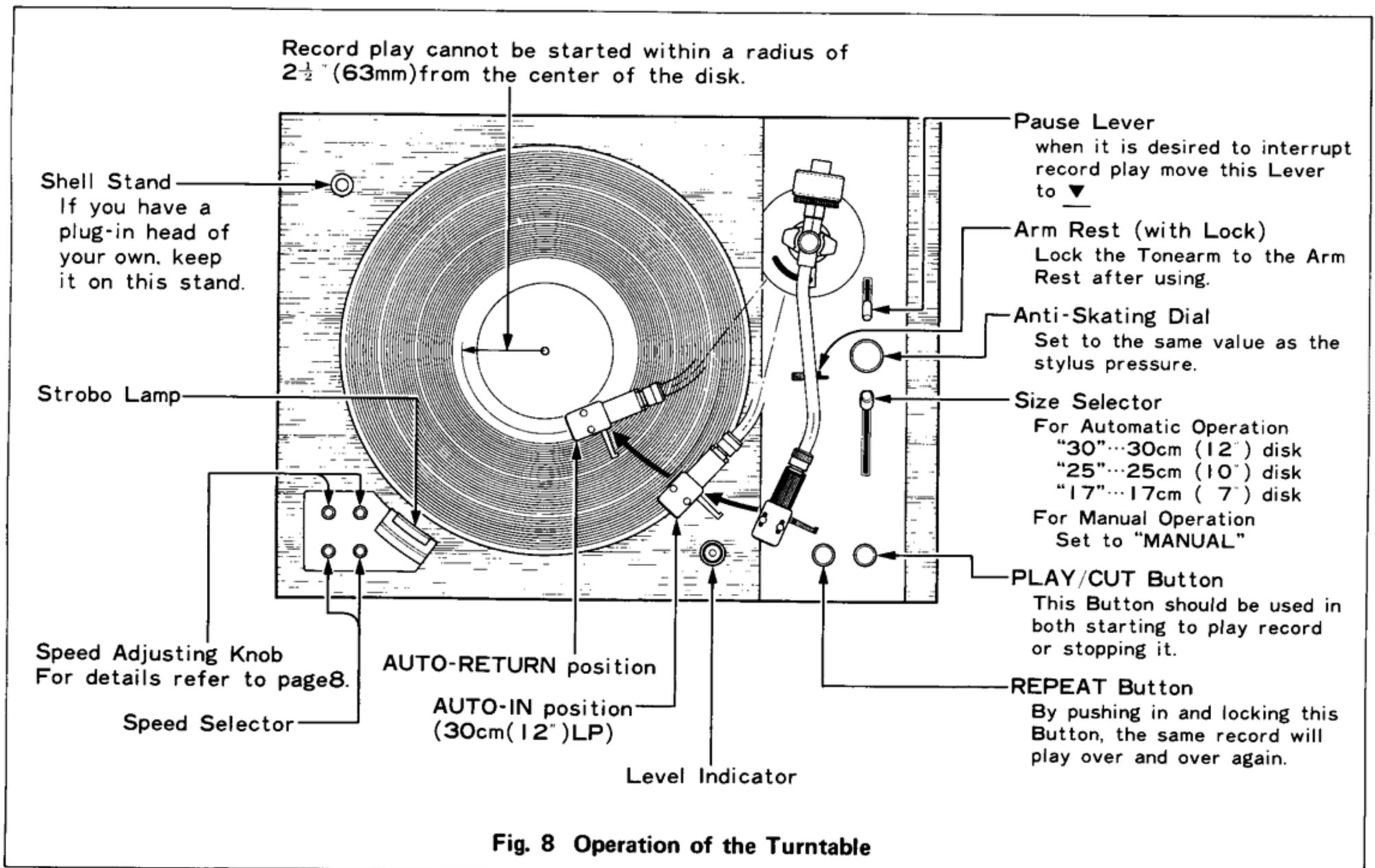
6. At the end of record play, the tonearm will automatically return to the arm rest in this AUTO-RETURN action. Simultaneously power will be cut off automatically and the platter will stop turning.

FOR PAUSE OPERATION

When it is desired to interrupt record play, set the pause lever to ∇ position. The tonearm will then ascend and bring the stylus up with it, where it will remain in position as the record continues to turn.

When the pause lever is again set to ∇ position, the stylus will descend and record play will resume approximately the same point where it was cut off.

The pause lever should always be handled carefully. Rough handling may cause stylus position to shift excessively away from the point of interruption.



FOR AUTO-CUT OPERATION

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 turntable platter will stop turning in an AUTO-CUT action.

FOR AUTO-REPEAT OPERATION

If you wish to play the same record over and over again, take advantage of the AUTO-REPEAT action of this turntable by pushing in and locking the "REPEAT" button. This can be done either before the start of record play, or after it has been started with the "PLAY" button. To stop "REPEAT" action, push the "CUT" button. This will unlock the "REPEAT" button and induce the AUTO-CUT action.

FOR MANUAL OPERATION

Set the size selector to "MANUAL" position. You will then be able to start record play at any part of the record by swinging the tonearm over the desired position manually and pressing the "PLAY" button. The tonearm will then descend, and stylus will track the record groove to reproduce the desired passage.

NOTES:

1. Do not touch the size selector when the tonearm is moving automatically.
2. During "MANUAL" mode, several seconds must elapse before the stylus begins its descent after the turntable platter starts turning. A similar time lapse is required before the turntable platter begins to stop after the tonearm has returned to the arm rest during AUTO-RETURN or AUTO-CUT action. In either case, a light click will be heard beforehand.
3. The anti-skating dial must be adjusted to the same value as the stylus pressure setting. Poor sound quality and other adverse effects may result if the anti-skating adjustment is not made correctly.
4. AUTO-RETURN action cannot be expected at the end of record play when playing off-size records and phono sheets. In such cases, the "CUT" button must be used to return the tonearm to the arm rest.
5. Always return size selector to "MANUAL" position, lock tonearm to the rest and set the stylus cover whenever you are finished using this turntable.
6. For proper use of the stroboscope and speed adjusting knob, refer to "How to adjust the turntable speed" on page 8.

HOW TO ADJUST THE TURNTABLE SPEED

Stroboscope stripe patterns are etched into the outer rim of the turntable platter to enable speed accuracy checks. As shown in Fig. 9, the 4 stripe patterns are selected according to the power supply frequency and turntable speed to be used.

When the turntable is rotating at a correct speed, the selected stripe pattern illuminated by the strobo lamp should be viewed as if it were not moving. If the stripe pattern is moving in the direction of the turntable rotation, it means that the turntable speed is fast, and in the opposite direction the turntable speed is slow.

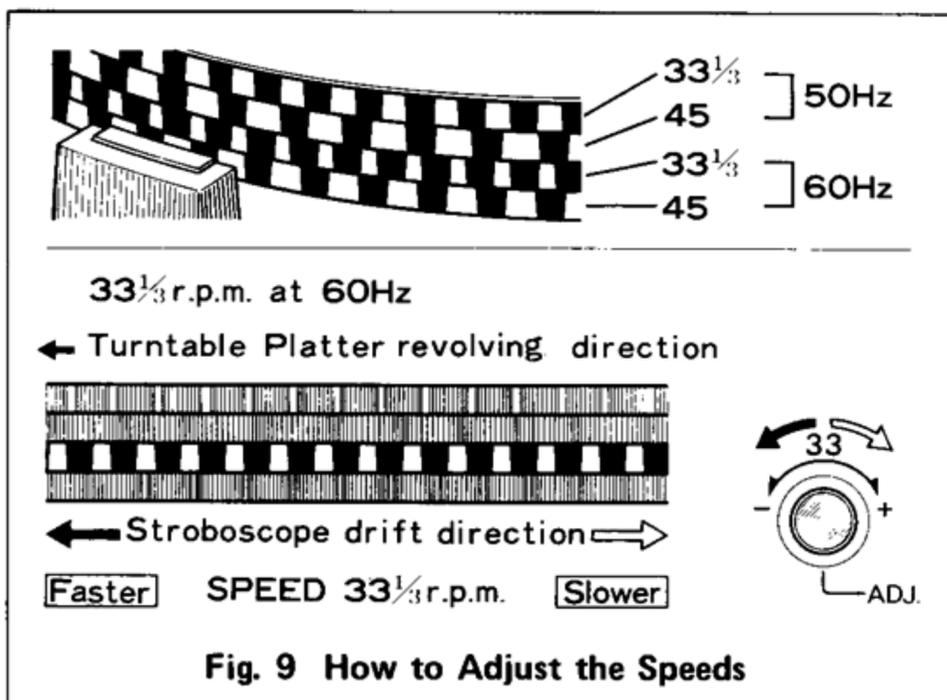
In either case, the correct speed can be obtained by turning the speed adjusting knob in the opposite direction of the movement of the stripe pattern until it stops moving.

Fig. 9 shows an example of speed adjustment for 33-1/3 r.p.m. at 60 Hz.

NOTE:

Adjustment procedure is as follows: Set the size selector to "MANUAL" position and press the "PLAY" button to rotate the turntable platter, then check the stripe pattern movement and make an adjustment if necessary.

You could perform the adjustment even when a record is being played.



HOW TO ATTACH THE CARTRIDGE

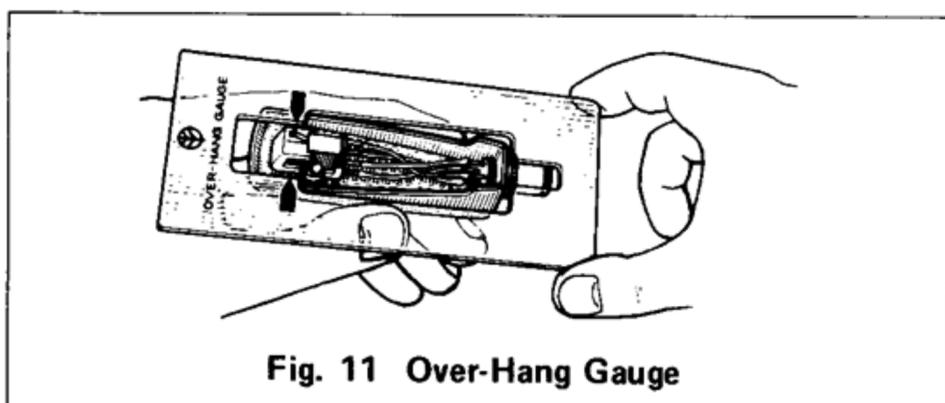
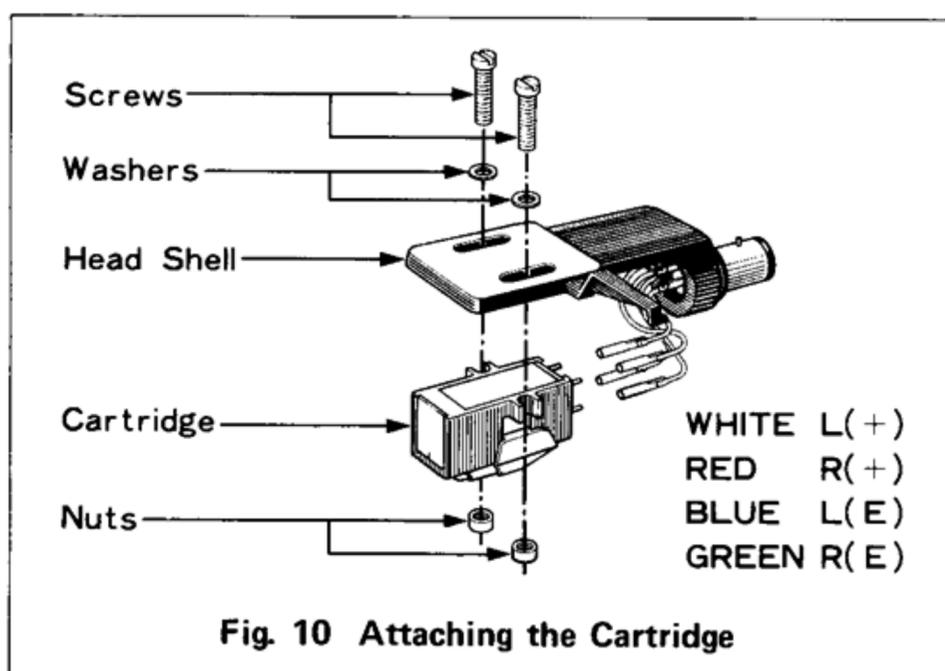
Cartridge can be attached easily as follows: The tonearm uses EIA standard connectors that can accept any head shell on the market that conforms to this standard.

1. Connect four leads to the cartridge, as shown in Fig. 10.
2. Attach the cartridge to the head shell but keep the two screws slightly loose so that the cartridge can be shifted forward or backward as desired. Use appropriate length screws. Slip the over-hang gauge over the head shell as shown in Fig. 11, and move the cartridge so that the stylus point lines up with the gauge arrowmarks. Now tighten the cartridge locking screws. This completes correct stylus over-hang adjustment for this turntable.
3. Plug the head with the cartridge into the tonearm, readjust stylus pressure, 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.

NOTE:

Usable cartridge weight 4 ~ 12 grams.



MAINTENANCE

NOTES:

1. **Correct height of arm elevation and arm rest is important.** When a cartridge or head shell is changed, it is important to check the following before operating the turntable. During record play, the tonearm must never touch the arm elevation. Also stylus must never touch the record surface when the tonearm swings horizontally during automatic action. If corrective measures are found necessary, proceed as follows. Set the pause lever to ∇ position. Adjust space between stylus point and record surface to approximately 6 mm with the locking bolt ② as shown in Fig. 12. Next adjust the height of the arm rest to cause a gap of about 1mm between the tonearm and arm elevation with the bolt ③.

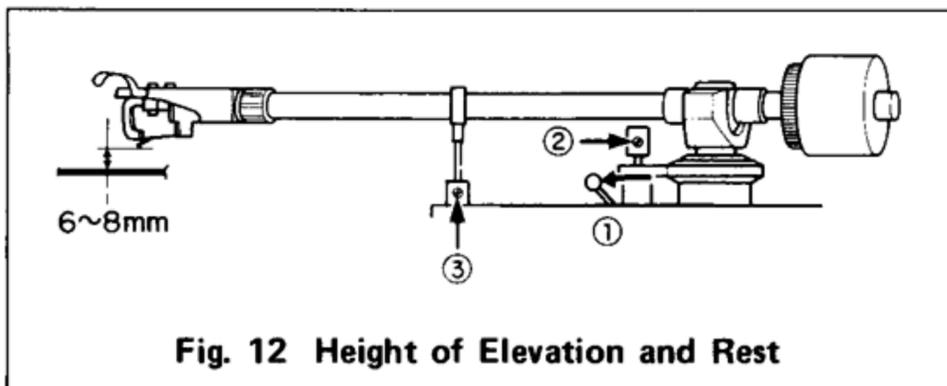


Fig. 12 Height of Elevation and Rest

2. **Connection to stereo amplifier (Receiver)**
To use the turntable with your amplifier, connect the output cords and the GROUND lead of the turntable to the PHONO jacks and the GND terminal of the amplifier, respectively.
 - When a low output, moving coil (MC) type cartridge is used, connect a step-up transformer or an amplifier designed for use with MC type cartridges.
 - If a non-standard cartridge is used, connect it to the amplifier by following the instruction manual for the cartridge.

STYLUS LANDING POSITION ON LEAN-IN GROOVE OF RECORD

This adjustment has already been made at the factory but may require fine readjustment depending on the cartridge that is used. To make this adjustment see Fig. 13. Set the size selector to position "30". Insert a + screwdriver into the Auto in adjust hole and turn the adjustment screw. Turning it clockwise will move the stylus landing point inwards, and counterclockwise, outwards.

The landing point will move about 1 mm for each complete turn of the adjustment screw.

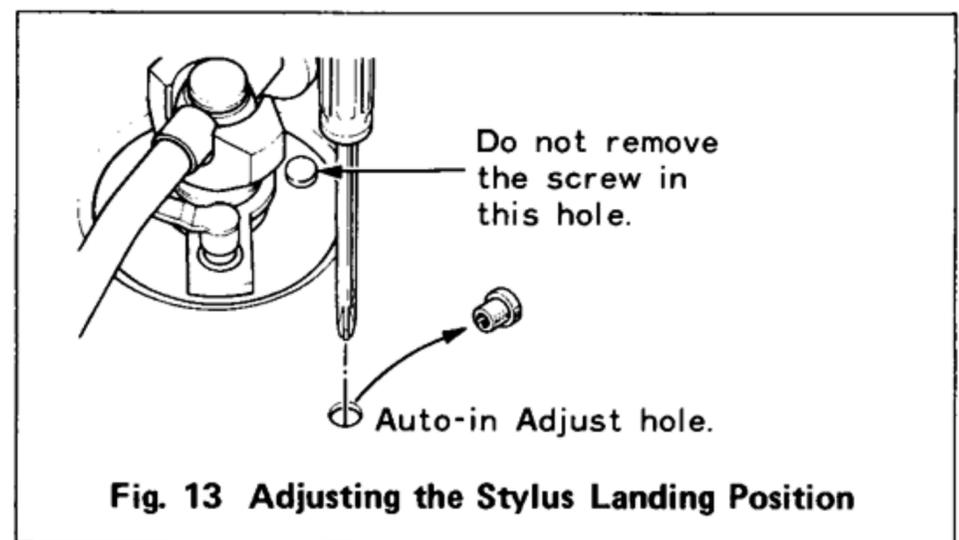


Fig. 13 Adjusting the Stylus Landing Position

ADJUSTING THE STOP-ACTION OF THE COVER

The dust cover for this turntable has a free-stop action. If it should close abruptly, the stop-action can be strengthened by turning the hinge screw counterclockwise as shown in Fig. 14 (both hinges).

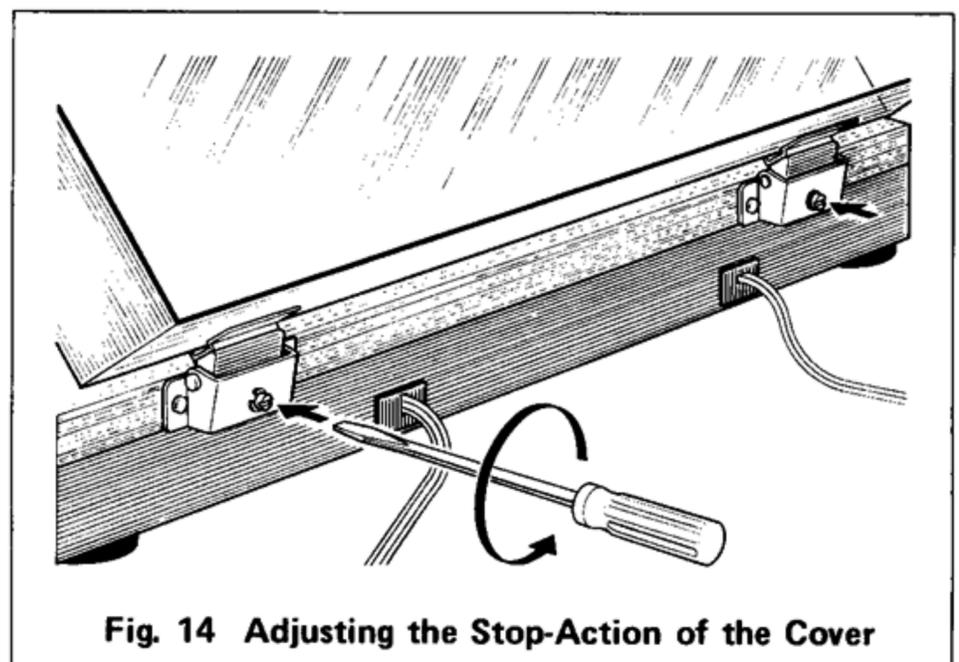


Fig. 14 Adjusting the Stop-Action of the Cover

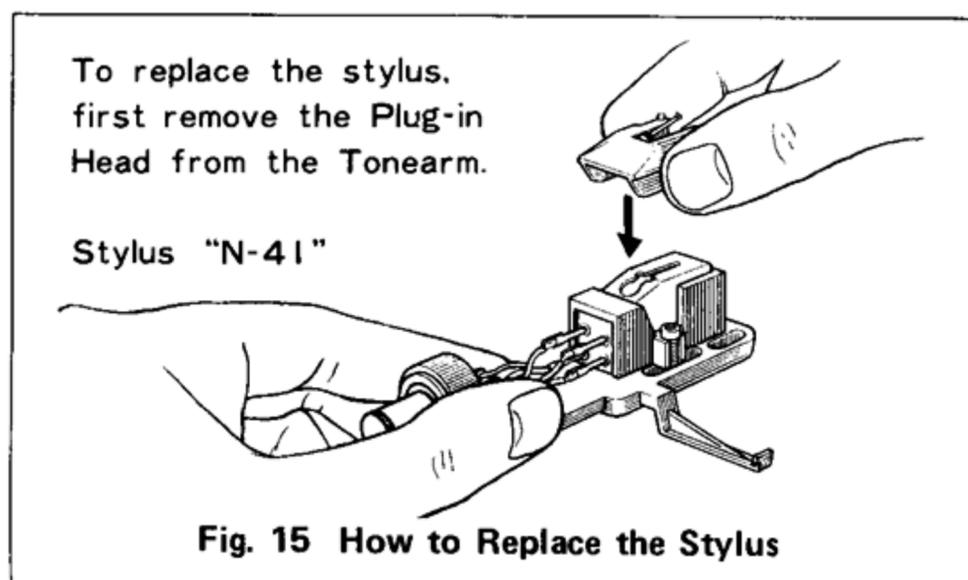
LIFE OF A STYLUS

The stylus point is very delicately made and it should be handled with great care. Dust accumulating at the tips should be removed with a soft brush by brushing off lightly. A stylus is good for playing a 30 cm (12 inch) LP record about 500 times, but this varies greatly depending on how it is used.

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

HOW TO REPLACE THE STYLUS

Replacement stylus may be obtained from the dealer from whom you purchased this turntable. The accompanying diagrams show how to replace the stylus.



CLEANING THE CABINET AND DUST COVER

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

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

OILLESS MOTOR

The turntable motor is of oilless type. It operates for more than 20,000 hours without lubricating oil.

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 is in normal condition.

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

TROUBLE SHOOTING

In initially installing this turntable improper connections and operations may result in one of the following symptoms of trouble. Their possible cause and corrective measures are listed below to facilitate installation.

Symptom	Cause	Correction
Pick-up does not start when PLAY/CUT or Repeat Buttons are depressed.	1. Size Selector may be at MANUAL. 2. Pause may be at ▾.	1. Set Size Selector to 30, 25 or 17. 2. Set Pause to ▾. (See page 6, 7)
Arm skips across record.	Anti-Skating Dial improperly set.	Set Anti-Skating Dial to a value less than optimum stylus pressure. (See page 5)
Stylus does not land in lead-in groove.	Improper adjustment.	See paragraph under "Stylus Landing Position on Lead-in Groove of Record" page 9.
No pick-up.	Excessive stylus pressure.	Adjust to optimum stylus pressure. (See page 5)
No sound from both left and right sides or one side.	Turntable output cord or cords disconnected.	Check connections to amplifier.
Loud hum, no music.	1. Poor connection of turntable output cords. 2. Poor Plug-in Head connection.	1. Make solid connections to amplifier. 2. Make solid connections.
Loud hum with music.	Turntable output cord picking up hum from AC cord.	1. Separate output cords from AC cord. 2. Reverse AC cord plug.
Buzzing noise with Music.	Turntable output cord picking up TV signal.	Relocate output cord for minimum pick-up.
Howling drowns out music when volume is increased.	Speaker vibration is picked up by turntable.	1. Separate turntable from speakers. 2. Relocate turntable and speakers. Avoid loose floor-boards.
Turntable platter does not turn.	Poor AC plug contact.	Check connection.
Poor tracing.	Excessive dust on record or stylus, or worn stylus.	1. Remove dust from stylus or record. 2. Change stylus.

SPECIFICATIONS

MOTOR & TURNTABLE

Drive System	Direct drive system
Motor	20-pole 30-slot D.C. servo motor (For turntable) 24-pole synchronous gear motor (For automatic operation)
Turntable Platter	30.5 cm (12 inch) diameter aluminum alloy die-cast
Speeds	2 speeds, 33-1/3 and 45 rpm.
Speeds Control Range	Within $\pm 3\%$ (Individual control for 33-1/3 and 45 rpm.)
Wow & Flutter	Less than 0.03% (WRMS)
Rumble	DIN weighted better than -70 dB DIN unweighted better than -50 dB

ONEARM

Type	Static-balance type, S-shaped pipe arm
Effective Tonearm Length	215 mm (8-7/16 inch)
Overhang	9.5 mm (3/8 inch)
Tracking Error	± 1.5 degree
Stylus Pressure Variable Range	0 to 3 grams
Usable Cartridge Weight	4 to 12 grams

CARTRIDGE

Furnished Cartridge	V-41A (V-shaped dual magnet type)
Stylus	N-41
Frequency Response	20 Hz to 20,000 Hz
Output Voltage	2.0 mV (1,000 Hz, 5 cm/sec.)
Optimum Tracking Force	2.0 ± 0.5 grams
Load Impedance	50 kohms
Replacement Stylus	N-41

ADDITIONAL FEATURES

Fully-automatic tonearm system
(Automatic lead-in/Return/Cut/Repeat)
Disc size selector,
Manual operating function,
Viscous-damped cueing device,
Anti-skating device,
Stroboscope with lamp,
Fine speed adjusting controls,
Level indicator,
Adjustable height insulator,
Low capacitance phono cable,
Head shell stand,
Free-stop action dust cover

MISCELLANEOUS

Power Requirement	AC 120/220V, 50/60 Hz
Power Consumption	7.0 watts
Dimensions	W 480 mm (18-7/8") H 167 mm (6-9/16") D 379 mm (14-7/8")
Weight	10.5 kg (23.1 lbs.)

SUPPLIED ACCESSORIES

EP adapter,
Overhang gauge

CABINET

Material	Top board: Lauan plywood laminated with walnut veneer Bottom board: Particle board laminated with poly-vinyle chloride finish
----------	--

Note: Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

 *the sound approach to quality*
KENWOOD