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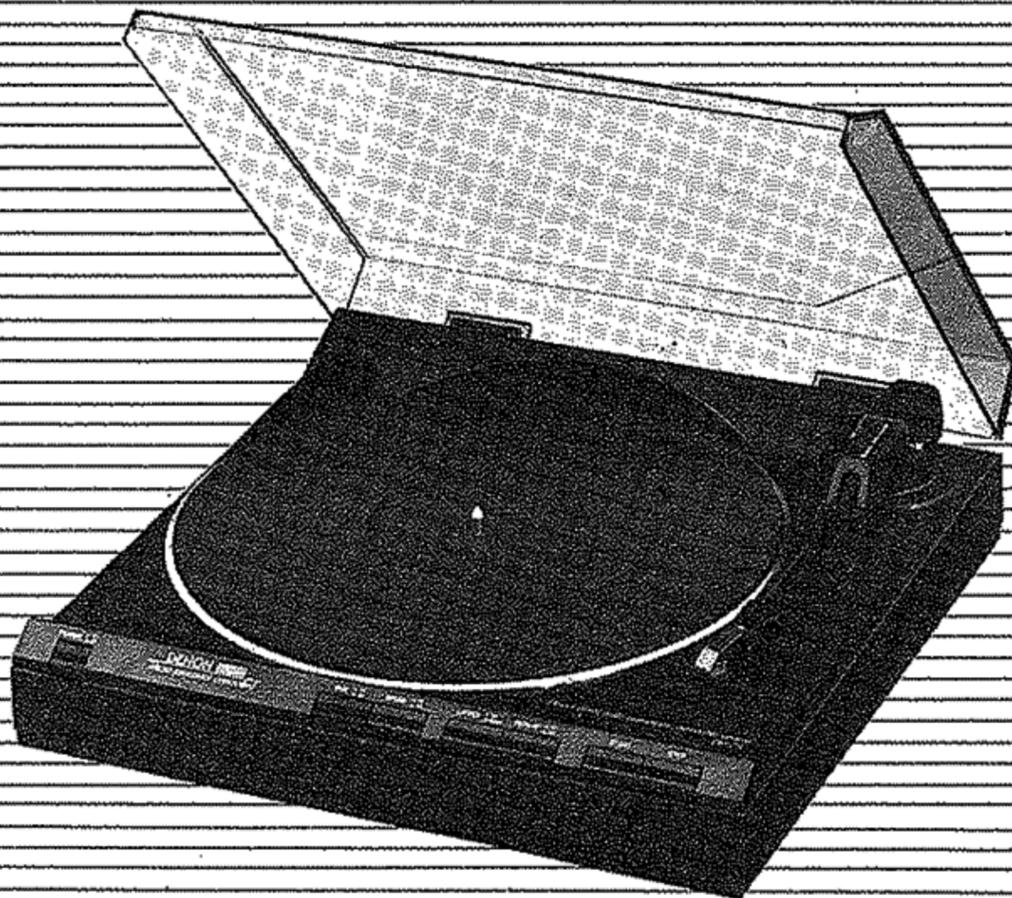
DENON

**FULLY AUTOMATIC
DIRECT DRIVE TURNTABLE**

DP-7F

INSTRUCTION MANUAL

Read instructions before use and retain for future reference.



U.S. and Canadian Models do not include cartridge.

IMPORTANT TO SAFETY

WARNING:

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

CAUTION:

1. Handle the power supply cord carefully

Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

2. Do not open covers

In order to prevent electric shock, do not open the enclosure cover. If problems occur, contact your **DENON** dealer.

3. Do not put anything inside

Do not put metal objects or spill liquid inside the record player. Electric shock or malfunction may result.

Model DP-7F

Serial No. _____

Please, record and retain the Model name and serial number of your set shown on the rating label.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of 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.



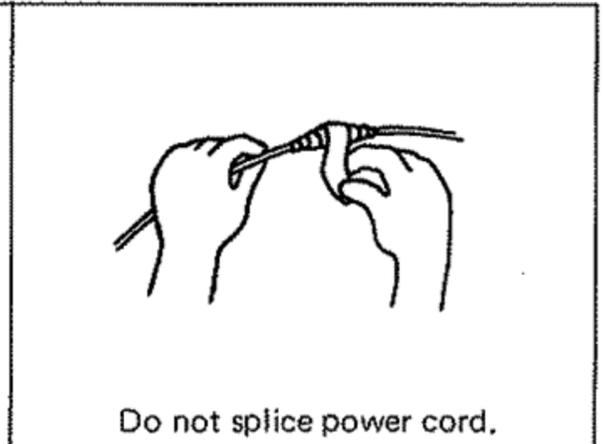
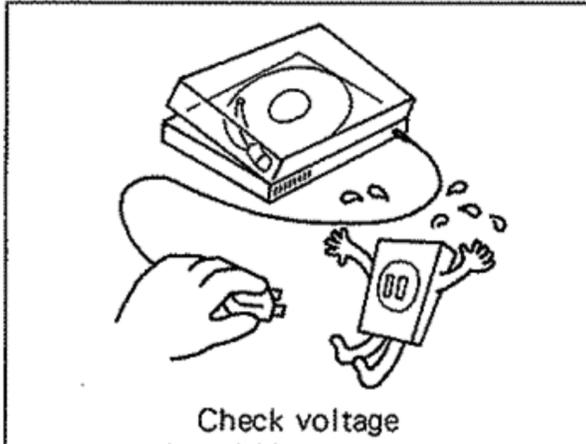
The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WHENEVER THE POWER SWITCH IS IN THE OFF-STATE, THE APPARATUS IS STILL CONNECTED ON AC LINE VOLTAGE. PLEASE BE SURE TO UNPLUG THE CORD WHEN YOU LEAVE HOME FOR, SAY, A VACATION.

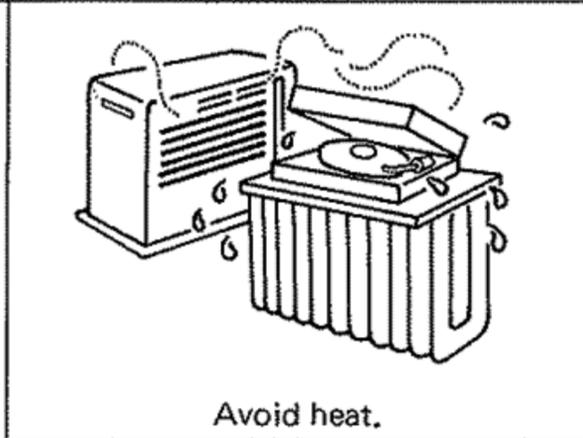
SAFETY INSTRUCTIONS FOR AUDIO SET

■ INSTALLATION

1. Operate the set only from a power source which is indicated on the rating label (indication at the back of the set).
2. Frayed cords and broken plugs may cause a fire or shock hazard. Do not damage the power cord.
 - Do not cut and splice the power cord.
 - When removing the power cord from wall outlet, be sure to unplug by holding the plug attachment and not by pulling the cord. Do not hold the plug by wet hand.
 - Call your service technician for replacement of damaged cords and plugs.



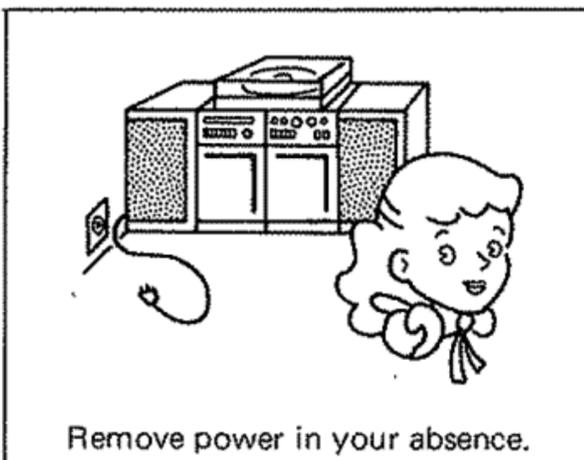
3. Select a place so that the location or position does not interfere with the proper ventilation of the set for releasing heat generated during operation.
 - Select a flat and level surface allowing enough space for setting up and operation.
 - Never block the bottom ventilation holes placing the set on a



- bed, sofa, rug, etc.
- Never place the set in a "built-in" enclosure unless proper ventilation is provided.
- Never place the set near or over a radiator, heat register or stove.
- Avoid locations where the set is exposed directly to the sun light.

■ USE

1. Do not expose the set to rain or water (liquid). Do not spill liquid or insert metal objects inside the set. Rain, water or liquid such as cosmetics as well as metal may cause electric shorts which can result in fire or shock hazard. If anything gets inside, unplug the power cord and have a **DENON** service technician check your set before further use.
2. Never leave your set switched on when leaving the house. For added protection of your audio system during lightning storm or when the set is to be left unused for a long period of time, be sure to unplug the power cord from the wall outlet.
3. Take care so that the set is not dropped to avoid damaging the cabinet which defeats safeguards or injuring yourself. If the set has been dropped or the cabinet has been damaged, unplug the set and have it checked by a **DENON** service technician to restore the safeguards.



■ SERVICING

1. The servicing of set must not be attempted by yourself beyond that described in the operating instructions. In case of problems that cannot be settled by referring to your operating instructions, unplug the power cord and contact your **DENON** dealer. No user-serviceable parts are inside the set. Only qualified service technician can service inside your set.
2. Refer to the operating instructions for maintenance and cleaning.

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SPECIFICATIONS

Phonomotor section

Drive System:	Servo controlled direct drive
Turntable speeds:	33-1/3, 45 rpm
Wow & flutter:	Below 0.018% wrms (servo system) Below 0.03% wrms (JIS)
S/N ratio:	Over 75 dB (DIN-B)
Rise time:	Normal speed within 2 seconds (at 33-1/3 rpm)
Platter:	Aluminum die-cast; 300 mm diameter
Motor:	Linear drive motor
Speed control system:	Speed servo by frequency detection, phase servo control
Speed deviation:	Below 0.01%
Load characteristics:	0% (70 g tracking force; outermost groove)

General

Power supply:	50/60 Hz, Voltage is shown on rating label
Power consumption:	6 W
Dimensions:	96 x 365 x 360 mm (H x W x D) (3.8 x 14.4 x 14.2 in)
Weight:	Approximately 4 kg (9 lb)

Tonearm section

Arm type:	Dynamically balanced, semi-integrated straight arm
Effective length:	220 mm
Overhang:	16 mm
Tracking error:	within 3°
Automatic mechanism:	Electronically controlled, fully automatic
Tracking force:	1.25 g (fixed)
Suitable cartridge:	 plug-in connector type

Cartridge section (Only for those models with attached cartridge)

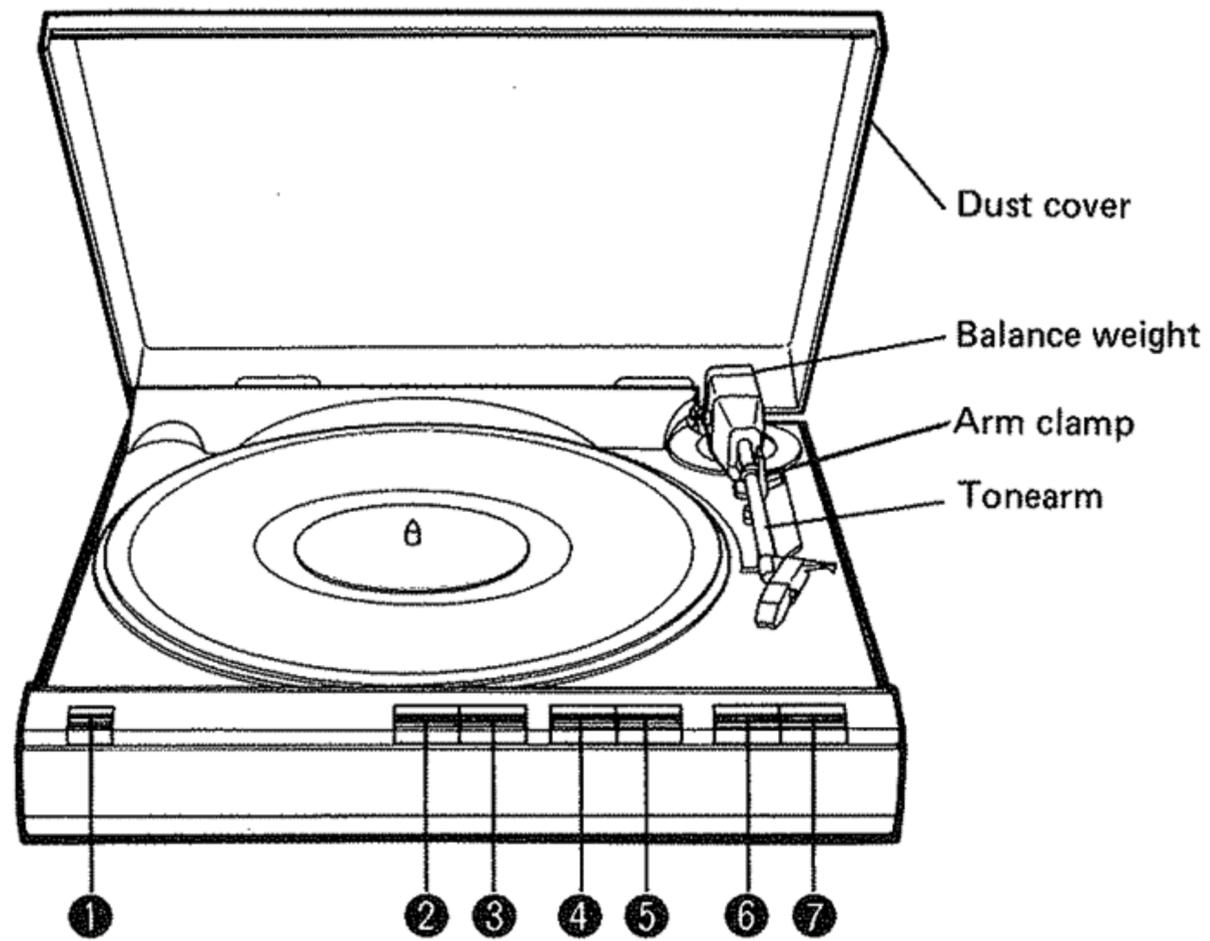
DL-7

Type:	Moving magnet (MM)
Output voltage:	2.5 mV
Frequency response:	20 Hz ~ 20 kHz
Tracking force:	1.5 g ±0.25 g
Replacement stylus:	DSN-67

U.S. and Canadian models do not include cartridge.

Above specifications and outward appearance may be altered in future for improvement.

PARTS NOMENCLATURE AND FUNCTIONS



1 POWER (Power switch)

This switch turns the power supply on () and off (). When turning the power off, always return the tonearm to the arm rest and hold it in place with the clamp.

2 SIZE (Record size selector switch)

Set to the size of record to be played.

30 cm records 
 17 cm records 

3 SPEED (Speed selector switch)

Set to the desired record speed.

33-1/3 rpm records 
 45 rpm records 

4 ARM LIFTER (Arm lifter switch)

This switch is used to raise and lower the arm during play or when playing the records manually.

Down 
 Up 

5 REPEAT (Repeat switch)

When playing the records repeatedly, switch it on ().

6 START (Start switch)

Press this switch when starting the records automatically.

7 STOP (Stop switch)

Press this switch when stopping the record during play.

Please check to make sure the following items, aside from the main unit, are packed in the carton.

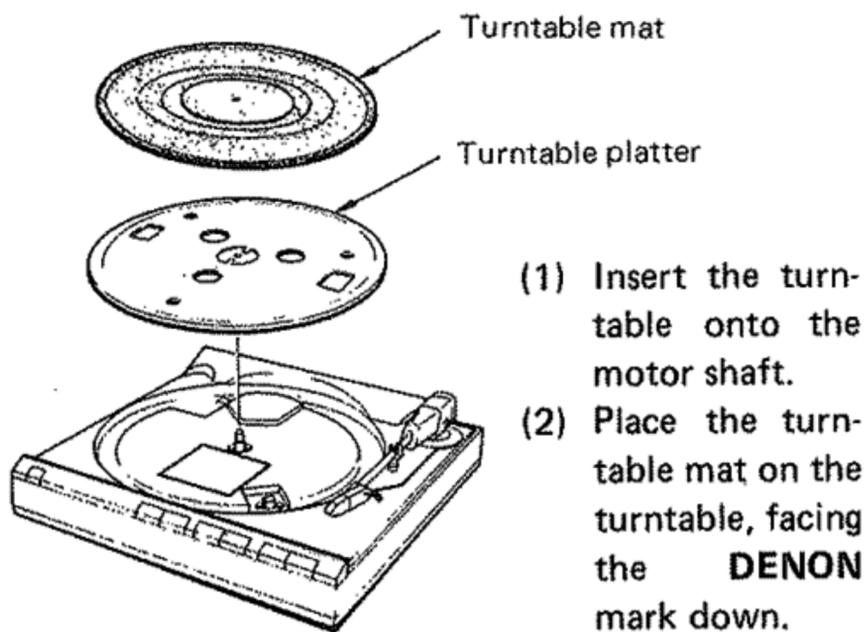
- | | |
|--------------------------|---|
| 1. Turntable platter | 5. Subweights (3 pcs.) for fine adjustment of the tracking force |
| 2. Turntable mat | 6. Fixing screw and nut for cartridge (U.S. and Canadian models only) |
| 3. 45-rpm record adaptor | 7. Instruction manual |
| 4. Balance weight | |

ASSEMBLY

1. Remove the packing material

Remove the packing material from the cabinet.

2. Install the turntable platter and the turntable mat.

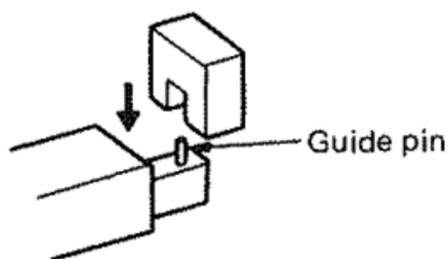


Caution:

Take caution as not to scratch the magnetic coating on the inner surface of the turntable platter.

3. Setting the balance weight

Insert the associated balance weight firmly onto the guide pin (at the tail end of the tonearm) as shown in the figure.

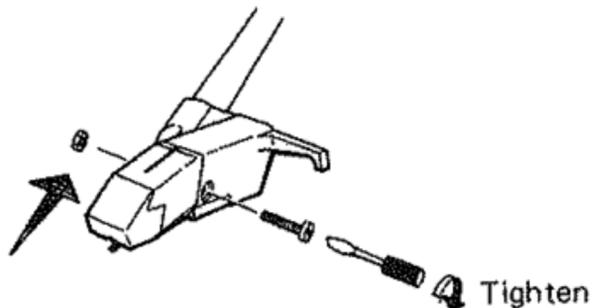


Note: As the turntable and the balance weight are not fixed, take special care when moving the unit.

MOUNTING/REPLACEMENT OF CARTRIDGE

Use the **TAP** plug-in connector type cartridge for this turntable.

- Insert the cartridge into its deepest position.
- Fix it with the associated screw and nut.



U.S. and Canadian models do not include cartridge.

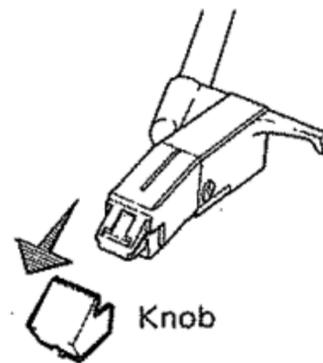
PARTS REPLACEMENT AND READJUSTMENT

Stylus replacement

- For models with an attached cartridge, the stylus tip life of the cartridge is approx. 500 hours. Replace it before that time as a worn stylus tip will cause noise and damage to the records.
- Specify "**DENON DSN-67**" when purchasing a replacement stylus.
DENON does not assume responsibility for performance losses or malfunction caused by the use of other stylus.

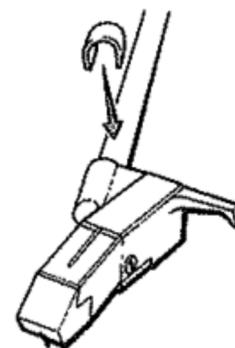
How to replace

1. Grasp the stylus assembly with the fingers, and gently take it out by pulling it diagonally down.
2. Set the new stylus assembly by inserting it as far as it will go.

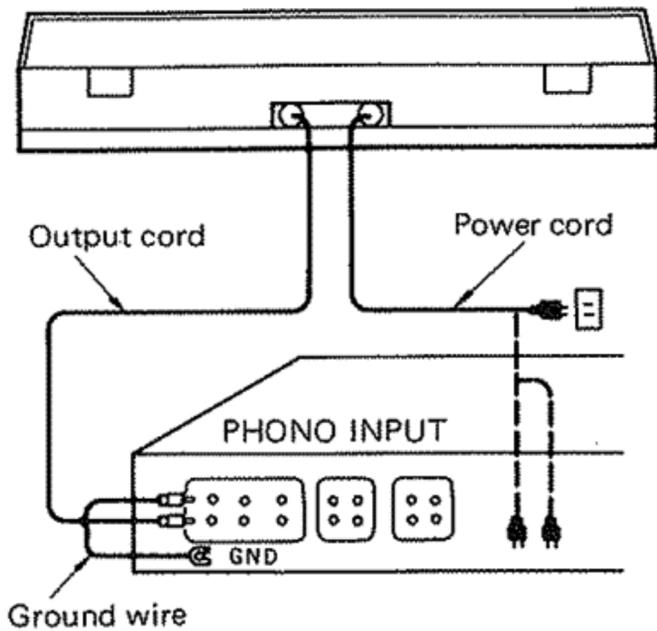


TRACKING FORCE ADJUSTMENT

- The tracking force has been set properly before shipment.
- If the recording level of the record you are playing is very high or the turntable is used under such environment conditions as low temperatures or vibrations, the sound may be "distorted" or the stylus may "skip." In such a case, set the associated subweight behind the cartridge on the tonearm.
- There are three subweights (0.1, 0.2, and 0.25 g). Use appropriate one(s).



CONNECTIONS



1. Connect the left (white) and right (red) output plugs to the respective "PHONO" input terminals of the amplifier to be used. Secondly, connect the ground wire (this wire is together with the output wires) to the "GROUND" terminal of the amplifier.
2. Connect the AC power plug to the AC wall socket.

HOW TO PLAY

Before playing

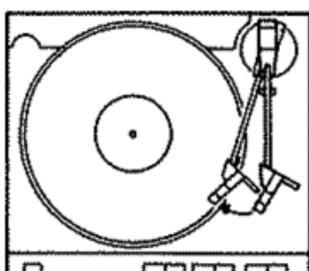
1. Turn the power supply of the amplifier on, and set the selector switch to "PHONO".
2. Set the record and raise or remove the stylus cover.
3. Turn the power supply of Model DP-7F on (), and set the speed selector to the desired position.

33-1/3 rpm records	
45 rpm records	
4. Release the arm clamp.

● For automatic play

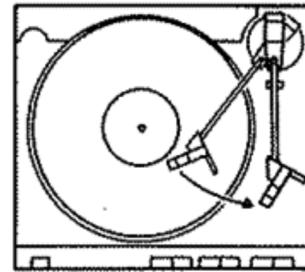
1. Set the record size selector according to the size of record to be played.

30 cm records	
17 cm records	
2. Set the arm lifter switch to "down" ().
3. Press the start switch.

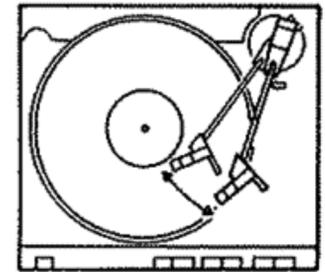


The tonearm will move over to the record and play will start.

4. When the play finishes, the tonearm will return to the arm rest and the turntable will stop. (When the repeat switch is off ()). When the repeat switch is on () the record will be played again.



Repeat "off" ()

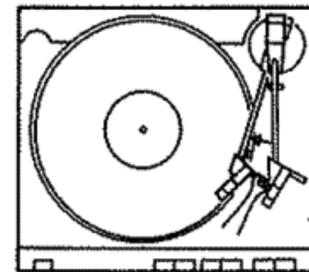


Repeat "on" ()

● For manual play

- * When playing records from the middle.
- * When the record size is not standard, or when playing 25 cm records.

1. Set the arm lifter switch to "up" ().
2. By hand, place the tonearm over the desired position of the record. The turntable will start to rotate.



Manual play

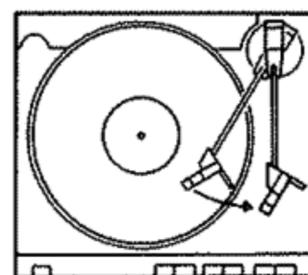
3. Set the arm lifter switch to "down" ().
4. When the play finishes, the tonearm will return automatically as in the automatic play mode.

● For repeated play

1. Press the repeat switch on (). The record will be played repeatedly until the repeat is disengaged. To disengage the repeat, press the repeat switch again.

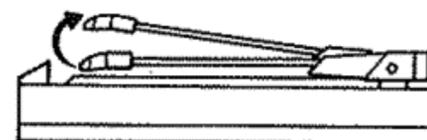
● When stopping during play

1. Press the stop switch.



The tonearm will return to the arm rest and the turntable will stop.

2. Or else, set the arm lifter switch to "up" (). The tonearm will rise above that position. The turntable will continue to rotate.



Lifter "up" ()

FEATURES

Silent, fully automatic operations with the use of a microprocessor controlled contactless servo tonearm.
An innovative microprocessor controlled, contactless servo tonearm ensures safe, easy to use automatic operations with little loss in sound quality.

DENON Quartz

The turntable speed is controlled by the "DENON Quartz" which is the combination of the "High Precision Magnetic Pulse Detection Method", the most sophisticated method of FG detection, and the "Quartz Lock".

Tone arm with a connector

The lightweight straight tone arm that performs excellent tracking has a  connector, allowing easy replacement of the cartridge.

WHEN TROUBLES ARISE

When troubles arise, check the following items before considering any malfunctions.

The player does not start when the start switch is pressed.

The tonearm does not move.

- Is the power switch on ()?
- Is the arm clamp released? Refer to page 7

The stylus does not lower onto the record.

- Is the arm lifter switch set to "down"?

The stylus does not lower on the desired position.

- Is the cartridge properly mounted on the head shell? Refer to page 6
- Is the turntable placed horizontally?

No sound.

- Is the tonearm and the cartridge connected properly? Refer to page 6
- Are the output wires properly connected to the amplifier? Refer to page 7
- Are the amplifier knobs/switches properly selected or adjusted?

Hum noises.

- Is the ground wire of the output wires properly connected to the amplifier? Refer to page 7
- Are the output wires properly connected? Refer to page 7

The stylus jumps.

- Is the record warped or scratched?
- Are there any considerable amount of dust on the stylus tip?

The arm does not move during play.

- Is the record scratched?
- Is something hitting the arm?

Little sound.

- Is the amplifier switched and connected properly for the type of cartridge (output) being used?