



Deze download wordt u aangeboden door **Pick-upnaalden.nl**

Fazantendreef 17-19

8251 JR Dronten

T: 0321 769022

E: info@pick-upnaalden.nl

W: www.pickupnaalden.com

W: www.pickupnaald.com

Facebook: www.facebook.com/pickupnaalden

Twitter: twitter.com/Pickupnaalden

Google+ : plus.google.com/114738445546162436900

DENON

FULLY AUTOMATIC DIRECT DRIVE TURNTABLE

DP-61F

OPERATING INSTRUCTIONS



IMPORTANT TO SAFETY

WARNING:

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

Model No. DP-61F _____

Serial No. _____

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

(UNDERWRITERS LABORATORIES INC. (UL) LISTED MODEL FOR USA ONLY.)



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK). NO USER SERVICE-
ABLE 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.

IMPORTANT (BRITISH MODEL ONLY)

The wires in this mains lead are coloured in accordance with the following code:

Blue:

Neutral

Brown:

Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

FOR YOUR SAFETY (AUSTRALIAN MODEL ONLY)

To ensure safe operation, the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, contact a qualified electrician.

— TABLE OF CONTENTS —

FEATURES	3
PARTS NOMENCLATURE AND FUNCTION	4
HOW TO ASSEMBLE	5
HOW TO CONNECT	6
ADJUSTING THE Q-DAMPING	6
ADJUSTING THE TRACKING FORCE AND THE ANTI-SKATING	7
HOW TO PLAY	8
REPLACEMENT OF PARTS AND READJUSTMENT	9
MAIN SPECIFICATIONS	10
TROUBLESHOOTING GUIDE	11

1. 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.

2. Q-damping method (Dynamic servo tracer)

Low frequency resonance caused by cartridge compliance and the tonearm mass is electronically damped horizontally and vertically. Crosstalk and inter-modulation distortion are effectively suppressed. The dynamic servo tracer maximizes the performance of the low mass tonearm and realizes excellent stability of sound image with little noise or distortion.

3. Low mass straight arm

This arm is fully capable of maximizing the performance of high compliance cartridges with outstanding tracing ability. Even with the newest, high grade records, its tracing ability is outstanding.

4. Locate function

Just by pressing the locate button, the tonearm is moved to any desired location where the record play is started.

5. Record size detector and the automatic speed selector mechanism

The record size and the speed are automatically set when using LP records (33 1/3 rpm) or single records (45 rpm). When there are no records placed on the turntable, the tonearm does not move, even if the start button is pressed. This protects the stylus tip from unexpected damages.

6. Thick precision turntable platter exhibits superb acoustic characteristics

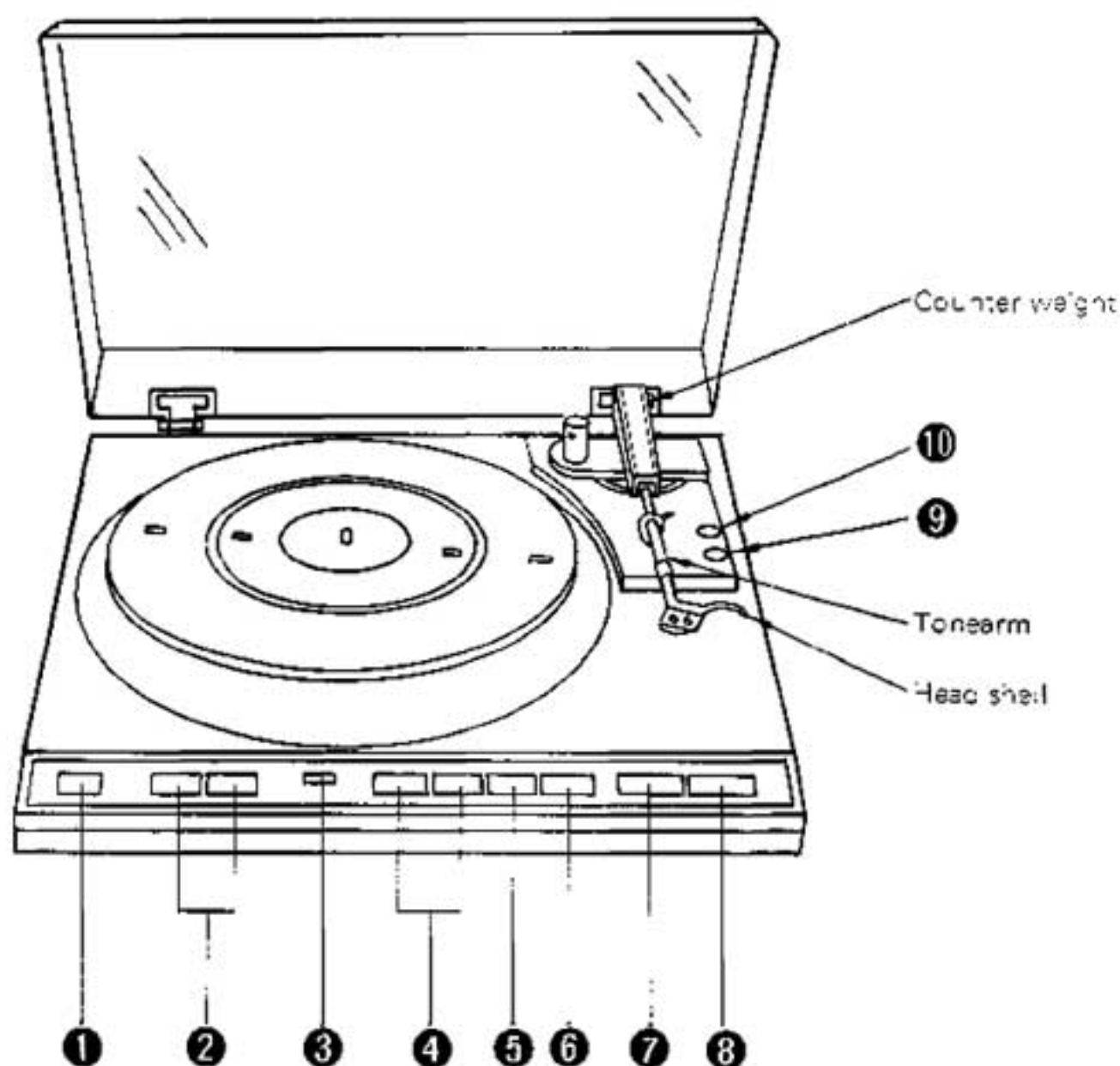
The use of a thick turntable platter to minimize vibrations transmitted from external sources is essential for clear sound reproduction.

7. Excellent rotational characteristics

The DP61F's high performance AC servo motor; magnetic record head speed detection system; quartz lock, bi-directional servo result in phenomenal performance specifications: 0.008% wrms (rotation system) wow and flutter; 82 dB (DIN-B) S/N ratio and rotational accuracy of 0.002%.

8. Beautifully finished wood cabinet

DENON's tradition of products superbly crafted from the finest materials is continued with the DP-61F.



1 Power switch POWER

This turns the power supply on and off. Push the button down until it locks in position. The power will turn on and the lock, indicator (LOCK) will light up. When turning the power off, press the button until the lock is disengaged. In addition, always return the tonearm to the arm rest and hold it in place with the clamp.

2 Speed selector switch 33 SPEED 45

Set to the desired record speed.

33-1/3 rpm records "33"

45 rpm records "45"

In automatic play, the switch is set to "33" for 30 cm records and "45" for 17 cm records.

3 Lock indicator LOCK

The "LOCK" will light up when the power is on. During play, the lamp will flicker until the proper turntable speed is reached. Once the proper speed is obtained, the lamp will, again, stay lit.

4 Locate button ◀ LOCATE ▶

Press this button to move the tonearm to the right or left, away from the record center, to start the record at any desired location.

5 Arm lifter button UP LIFTER

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

6 Repeat button ON REPEAT

Press this button when playing records repeatedly: the "REPEAT" lamp will be lit.

7 Start button START

Press this button when starting the records automatically.

8 Stop button STOP

Press this button when stopping the record during play.

9 Tracking force adjustment knob TRACKING FORCE

This is used to adjust the tracking force.

10 Q-damping adjustment knob Q-DAMPING

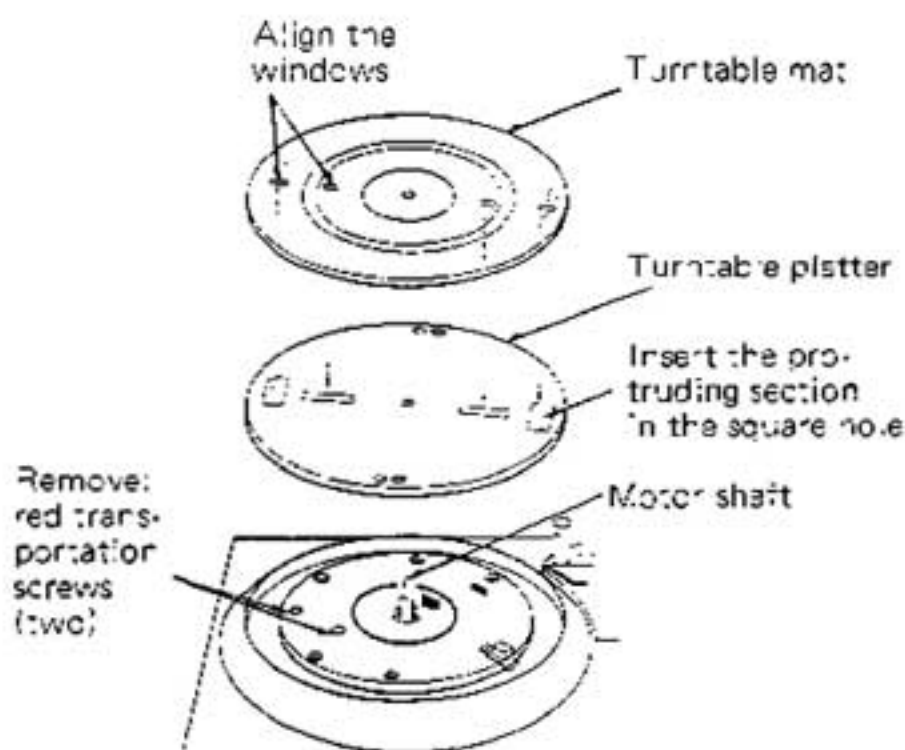
1. Remove the packing material

Remove the packing material from the arm counter weight section, dust cover and the cabinet.

2. Take the transportation screw off

Note: The screws must be taken off to ensure normal operations. Keep these screws for future use, when transferring residence, etc.

3. Install the turntable platter and the turntable mat

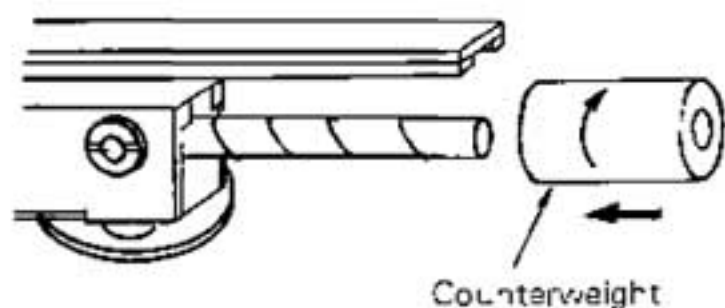


1) Insert the turntable platter onto the motor shaft.

2) To place the turntable mat, align the slot windows and fit the protruding sections of the turntable mat into the bigger square holes on the platter.

Note: Take caution as not to scratch the magnetic coating on the inner surfaces of the turntable.

4. Mounting the counterweight



Push in the counterweight at the rear end of tonearm as shown. While pushing the counterweight, turn it in the arrow direction. After attaching, make sure that it moves back and forth by turning it.

5. Mounting of the cartridge

For models without attached cartridge, mount your cartridge by following the procedures on the cartridge replacement installation on page 9.

6. Mount head shell

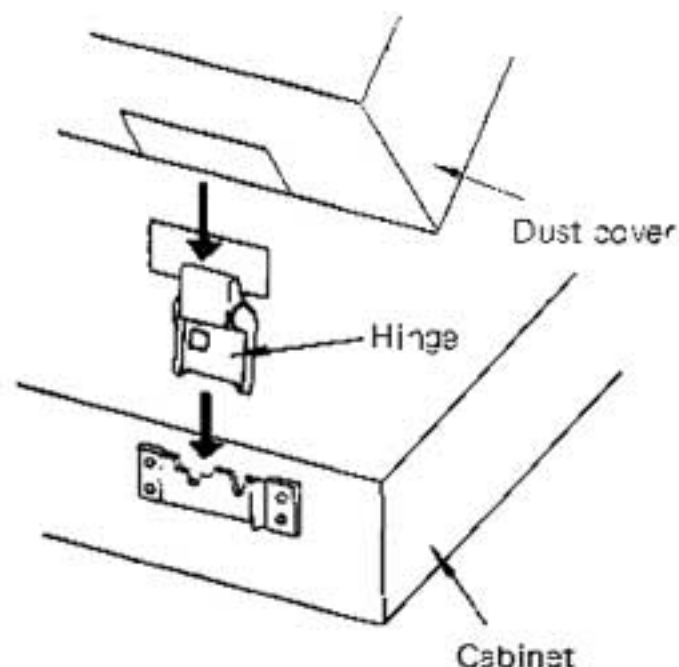


Plug in the connector portion of the head shell to the front end of the tonearm. Then fasten the fixing screw.

7. Adjust the insulator height

The height of the insulators (rubber feet) of this turntable can be adjusted by rotating them. Adjust the insulator heights so that the turntable is horizontally placed on the surface where it is to be placed.

8. Attach dust cover and hinges

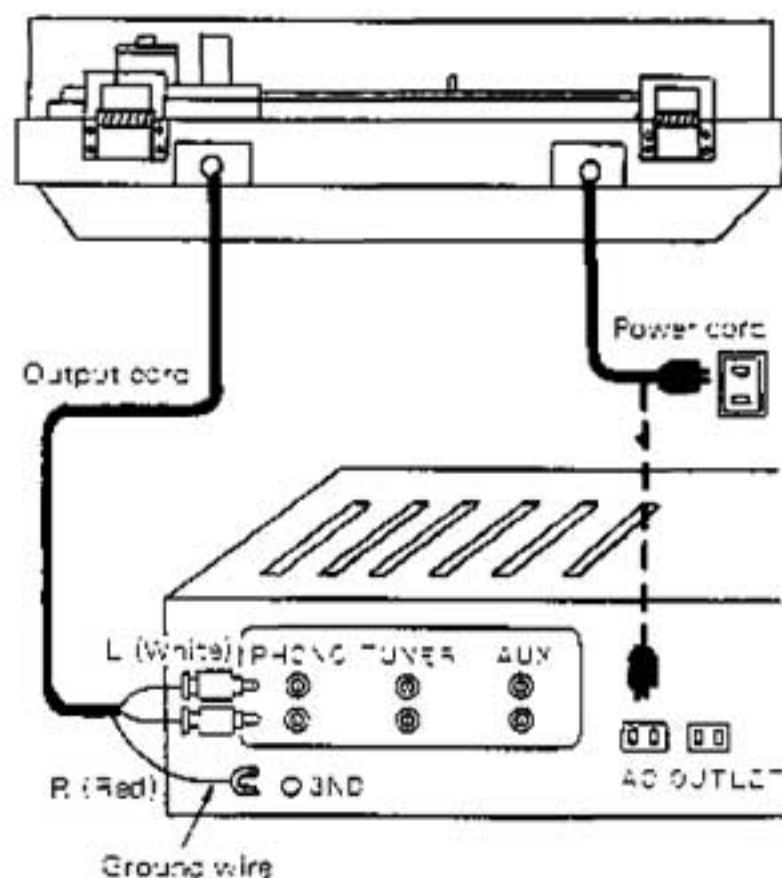


1) Insert the dust cover hinges into the dust cover.

2) Hold both sides of the dust cover and insert the hinges into the hinge catchers of the base until it stops.

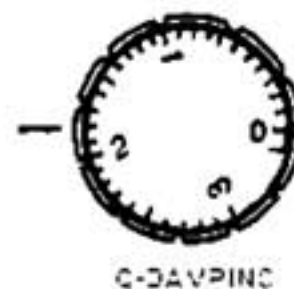
Note: The dust cover will not close completely if the metal mounts of the dust cover are not inserted fully into the hinges. Grasp only the sections near the metal mount of the dust cover when installing or removing.

1. Connect the left (L) and the right (R) output wires 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 outlet or the AC outlet of the amplifier. When connecting the plug to the AC outlet of the amplifier, refer to the amplifier instruction manual to make sure the electrical capacity of the AC outlet is sufficient.



Rotate the Q-damping knob and set it to the same number as the cartridge stylus force. (The illustration shows a 1.8 g tracking force cartridge being used.)

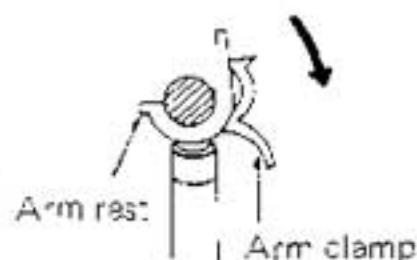
Although the Q-damping varies with the compliance of the cartridge, this turntable is designed so that a suitable amount of damping can be obtained by simply adjusting the number to the same position as the tracking force.



Make adjustments with the power supply turned off.

1. Release the arm clamp

Hold the tonearm and move the arm clamp in the direction of the arrow.

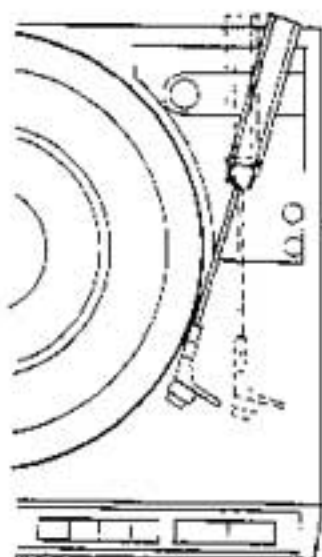


4. Return the tonearm to the arm rest

Return the tonearm to the arm rest and hold it in place with the clamp.



2. Move the tonearm



Take the tonearm off the arm rest and move it to a position between the arm rest and the turntable.

5. Adjust the tracking force and the anti-skating

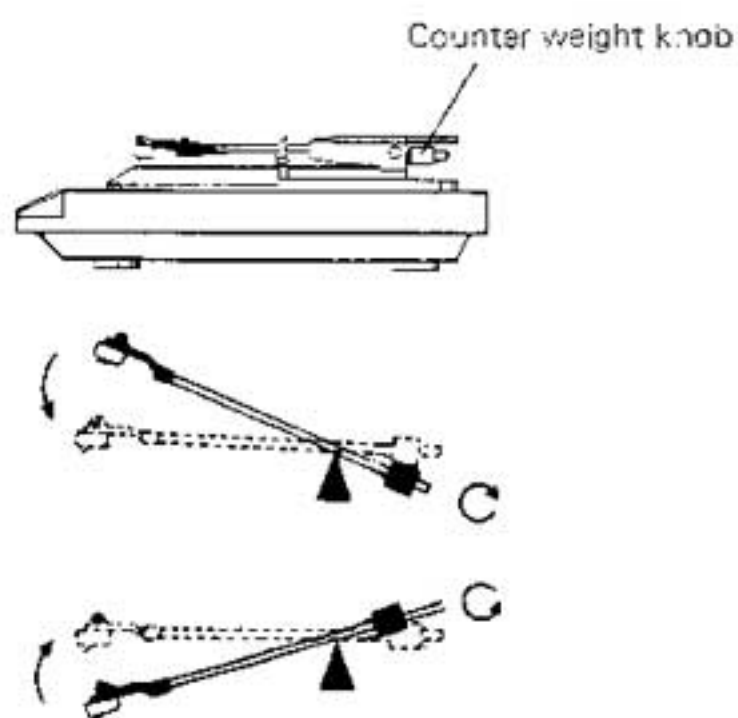
Rotate the tracking force knob and set the tracking force of the cartridge to be used by aligning the number to the line. (The illustration shows the tracking force set at 1.8 g). The anti-skating is automatically adjusted at the same time.



3. Balance the arm horizontally

Rotate the counter weight knob until the stylus tip remains at the same height as the record surface, when your hand is off.

Rotate the counter weight knob in the direction of the arrow.



When adjusting the tracking force and the anti-skating

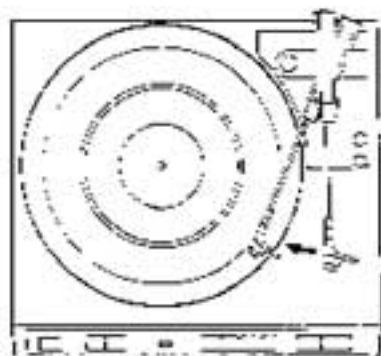
Apply the suitable tracking force for the cartridge by consulting the cartridge instruction manual.

BEFORE PLAYING

1. Turn the power supply of the amplifier on and set the selector switch/knob to "PHONO".
2. Set the record and remove the stylus cover.
3. Turn the power supply on.
4. Release the arm clamp.

FOR AUTOMATIC PLAY

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

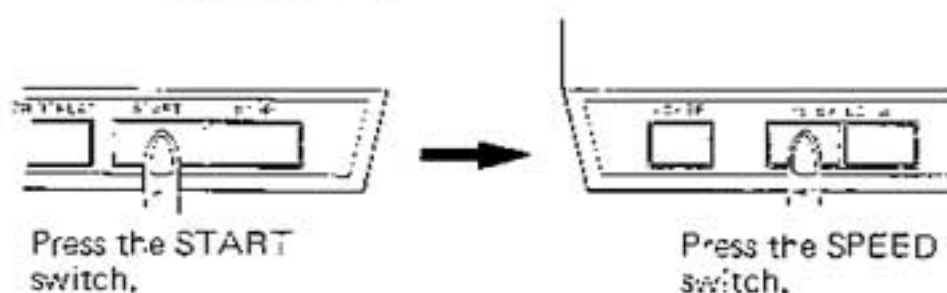


Note:

- The speed selector automatically sets the record speeds for 33-1/3 LPs (30 cm) and 45 singles (17 cm). When playing records other than the above mentioned sizes, set the speed by pressing the speed selector button after pressing the start button.

The arm may move up and down when the power supply is turned on, but this is not a malfunction.

- If strong light (direct sunlight, light from lamps) hits the turntable mat, the turntable may not operate properly. Please take care not to use the turntable under strong lighting conditions.



2. 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 ("REPEAT" lights) the record will be played again.

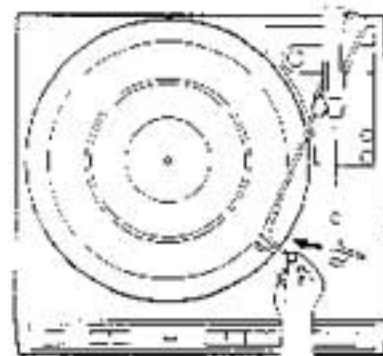
FOR MANUAL PLAY

- When playing records from the middle
- When the record size is not standard

You can play a record using any of the following three methods.

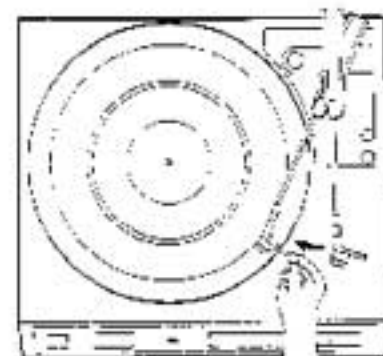
Method 1:

1. Move the tonearm to the desired position and lower it to the record. The turntable will not rotate.
2. Press the speed button for the speed indicated on the record. The turntable will begin to rotate then play will start.
3. When the record finishes, the tonearm will return to the arm rest and the turntable will stop.



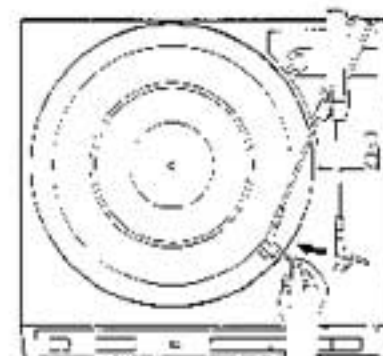
Method 2:

1. Press the speed button for the speed indicated on the record.
2. Move the tonearm toward the record. The turntable will begin to rotate.
3. Lower the needle at the desired position. Play will start.
4. When the record finishes, the tonearm will return to the arm rest and the turntable will stop.



Method 3:

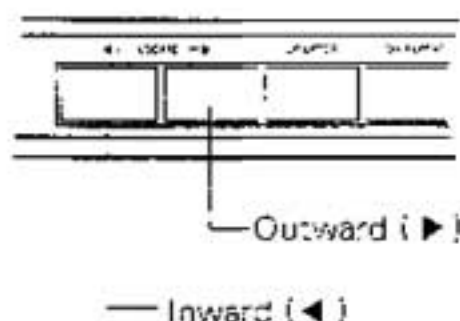
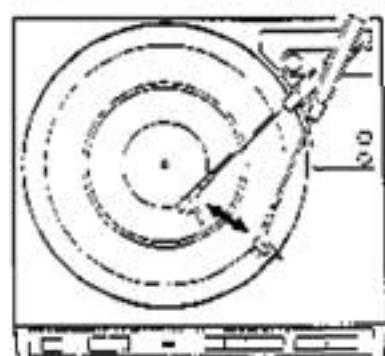
1. Push the arm lifter button to the up position (light comes on).
2. Move the tonearm to the desired position on the record.
3. Press the speed button for the speed indicated on the record. The turntable will start to rotate.
4. The tonearm comes down and play will start.
5. When the record finish, the tonearm will automatically return to the arm rest, as in automatic play.



★ Locate-playing method:

You can also move the tonearm by using the locate button.

1. Push the locate button for the direction you wish.



2. Set the needle at the desired position.
3. Release your finger from the locate button. The tonearm will come down and play will start.

WHEN PLAYING TRANSPARENT RECORDS

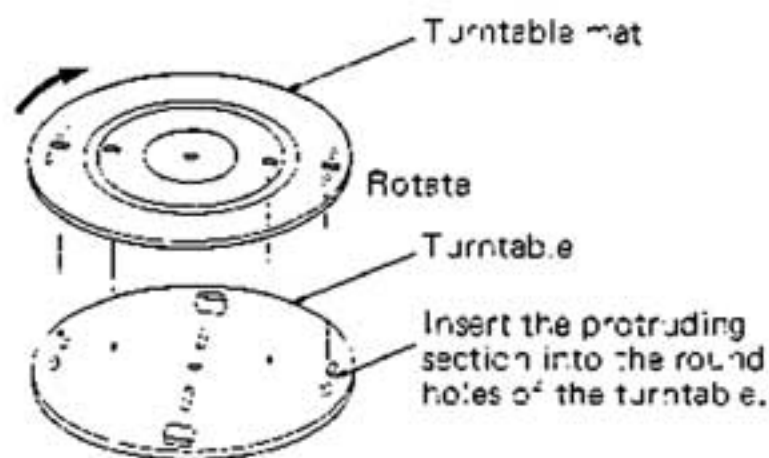
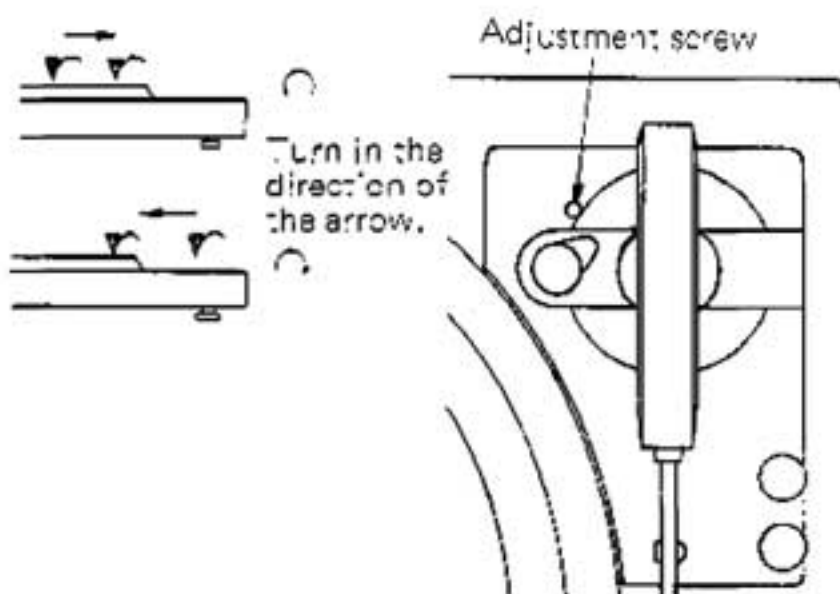
Rotate the turntable mat 90°, and play the record with the square windows of the turntable covered. (Follow the same procedure when playing warped records.)

Note: When the start button is pressed, the stylus tip will always lower at the 30 cm (12 inch) position. When playing other size records, be sure to play them manually to avoid stylus tip damage.

ADJUSTING THE LOWERING POSITION OF THE STYLUS TIP

When the lowering position of the stylus tip is not correct, adjust it by using the flat head screwdriver to turn the adjustment screw.

- When the stylus tip lowers to the inside: turn counterclockwise.
- When the stylus tip lowers to the outside: turn clockwise.



FOR REPEATED PLAY

Set the repeat button on ("ON" lights). The record will be played repeatedly, until the repeat is disengaged. To disengage the repeat, press the repeat button again.

WHEN STOPPING DURING PLAY

1. Press the stop button. The tonearm will return to the arm rest and the turntable will stop.
2. Or else, push the arm lifter button to the up position. The tonearm will rise above that position. The turntable will continue to rotate.

CARTRIDGE REPLACEMENT

It is possible to use a cartridge weighing 3 ~ 12 g (including nuts, screws) when attaching it to the headshell of this turntable. (When purchasing only the headshell, specify the "DENON" PCL-50".)

The color designation of the lead wires are as follows. Please be cautious as not to make any misconnections.

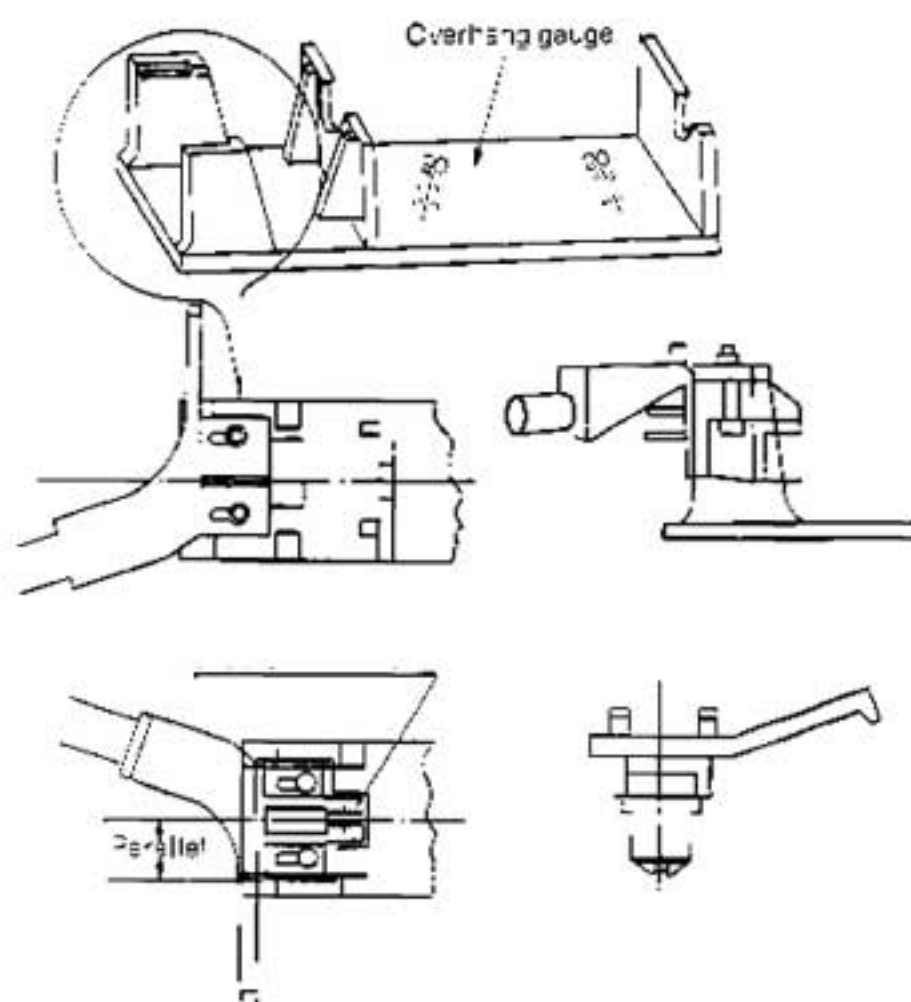
- red right channel (R)
- white left channel (L)
- green right channel ground (RG)
- blue left channel ground (LG)

1. Loosen the locking thumb screw at the cartridge end of the tonearm, and pull off the head shell frontward.

- The overhang of this player is 14 mm long.
First, the cartridge should be secured loosely. Adjust the stylus for a gauge reading of 38 by inserting the front end of the head shell into the groove at the end pole of the accessory overhang gauge. Fix the cartridge tightly after confirming that it is parallel to the shell.

- After the cartridge is mounted properly, plug in the head shell to the tonearm and secure it by the thumb screw.

Note: When the cartridge is replaced, always make sure to readjust the horizontal balance, stylus force and the Q-damping.



MOTOR

Drive System:	Servo-controlled direct drive
Turntable Speeds:	33-1/3 rpm, 45 rpm
Wow/Flutter:	Below 0.008% wrms (servo system) Below 0.02% wrms (JIS)
S/N Ratio:	Over 82 dB (DIN-B)
Rise Time:	Normal speed within 1.5 seconds (at 33-1/3 rpm)
Turntable:	Aluminum die-cast; 300 mm diameter
Motor:	AC servo motor
Speed Control System:	Speed servo by frequency and phase servo control
Load Influence:	0% (80 g stylus force, outer most groove)
Brake System:	Electronic brake
Speed Deviation:	Below 0.002%

GENERAL

Power Supply:	120 V AC 50/60 Hz
Power Consumption:	13 W
Dimensions:	455 x 150 x 445 mm (W x H x D) 17.9 x 5.9 x 17.5 in
Weight:	Approx. 11 kg

TONEARM

Arm Type:	Dynamically balanced, straight tube tonearm
Effective Length:	244 mm
Overhang:	14 mm
Tracking Error:	Within 2.5°
Automatic Mechanism:	Electronically controlled, fully automatic
Q-damping Method:	Electronic; horizontal vertical directions
Adjustable Tracking Force Range:	0 ~ 3 g (1 scale = 0.1 g)
Head Shell:	Specially hardened resin head shell (Approx. 3.3 g)
Suitable Cartridge Weight Range:	Approx. 3 ~ 12 g (including nuts, screws)
Anti-skating:	Electronically controlled

* The above specifications are subject to change without notice.

When trouble arises, check the following items before you consider any problem as a malfunction.

Turntable does not operate when start button is pressed.

The tonearm does not move:

- Is the power switched on?
- Is the arm clamp released? Refer to page 7

The stylus does not lower onto the record:

- Is a tracking force being applied? Refer to page 7

The stylus does not lower on the desired position:

- Is the cartridge properly installed on the head shell? Refer to page 10
- Is the turntable unit placed horizontally?

No sound

- Are the cartridge and the tonearm connected properly? Refer to page 9
- Are the output wires properly connected to the amplifier? Refer to page 6
- Are the amplifier knobs/switches properly set for record reproduction?

Hum noise is audible:

- Is the ground wire of the output wires connected to the amplifier? Refer to page 6
- Are the output wires properly connected?
- Is the head shell secured properly with the lock screw? Refer to page 5

The stylus skips/jumps

- Is the tracking force applied properly? Refer to page 7
- Is the record warped or scratched?
- Is there any large amount of dust on the stylus?

The arm stops moving forward during play:

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

Sound is too weak/strong:

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

Noise is picked up by the tuner:

- Should the tuner pick up noise while the turntable unit is in operation, move the tuner away from the turntable, or relocate the tuner antenna.

The tonearm moves up and down when power is switched on:

- The up and down movement of the tonearm when the power is switched on/off is not a defect.

The tonearm returns to the arm rest:

- Is a transparent record being played? Refer to page 9
- Is the record warped?

The tonearm moves to the 30 cm position when a 17 cm record is played:

- Is the turntable mat set properly? Refer to page 5

The record size is not detected:

- Are any strong rays of light (direct sunlight, light from lamps, etc.) falling on the turntable mat?

The tonearm returns to the arm rest when a 17 cm record is started:

- As strong rays of light (direct sunlight, lights from lamps etc.) falling on the turntable mat may affect the proper function of the automatic system, it is recommended to keep the turntable away from strong rays of light.

NIPPON COLUMBIA CO., LTD.

No. 4-14-14, AKASAKA MINATO-KU, TOKYO 107 JAPAN

5118286009 NE 406

Printed in Japan