

SANYO

INSTRUCTION MANUAL

CDP-150

Compact Disc Player

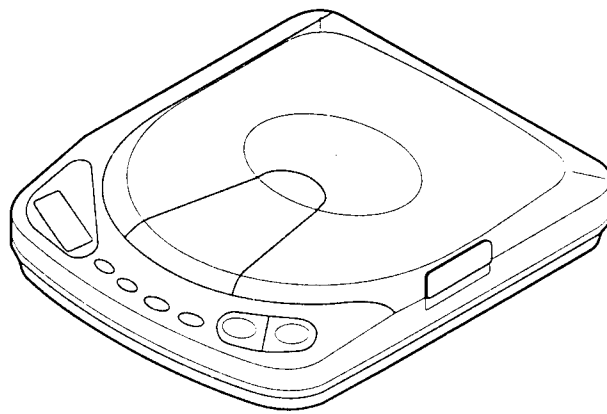


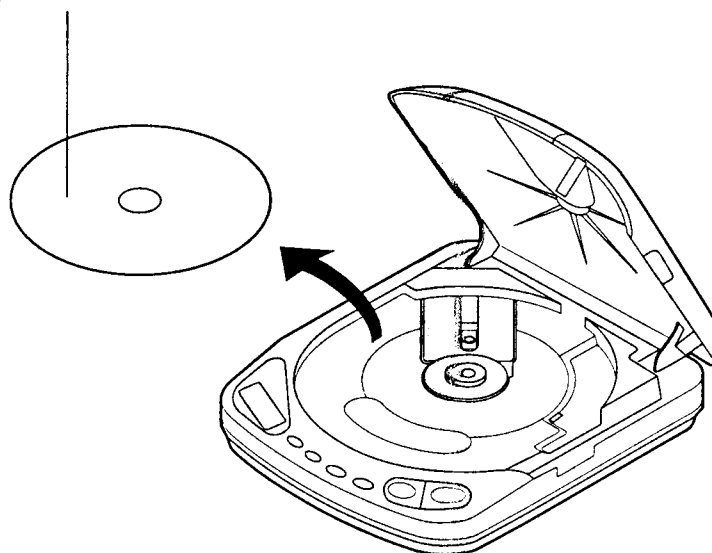
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CAUTION:

Changes or modifications not expressly approved by Sanyo may void the user's authority to operate this equipment.

Remove this protective sheet before use.

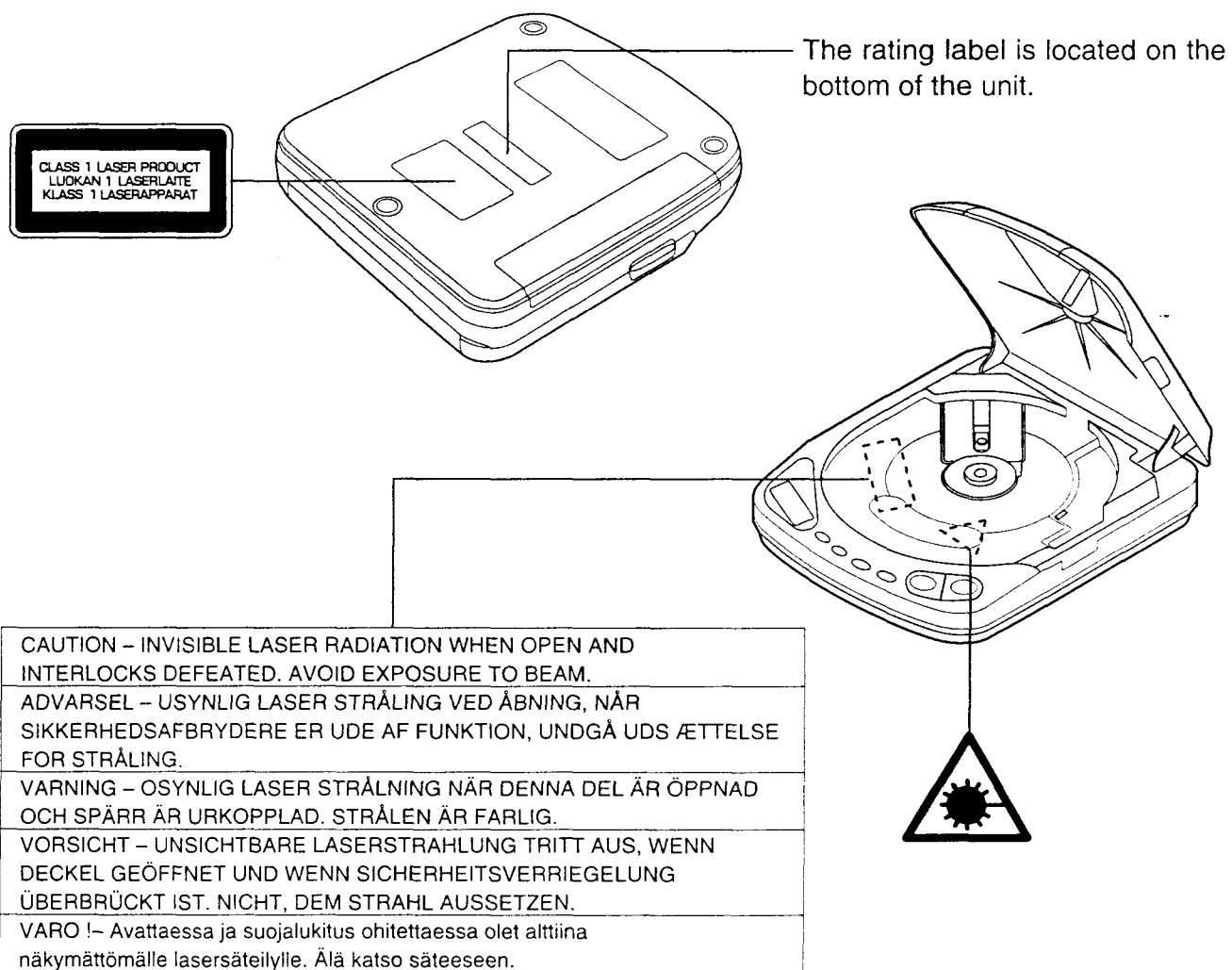


SAFETY CERTIFICATION

CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATING INSTRUCTIONS MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.



Hearing Comfort & Well-Being

- High volume levels can create potentially dangerous situations by drowning out surrounding sounds. Use caution when driving while operating the unit, and obey all applicable laws.
- Do not play your headset at a high volume level. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce the volume or discontinue use.

Traffic Safety

- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

General

- Do not place the unit in a position where it will be exposed to magnetic fields, water or sources of heat. Avoid leaving the unit in direct sunlight for prolonged periods.
- It is not recommended to use this unit while bicycling or running.

SAFETY TIPS

CAUTIONS FOR SAFETY

- The apparatus shall not be exposed to dripping or splashing.
- Do not take the unit apart.
The laser beam used in the unit could harm your eyes.
- Do not insert pins, etc., inside the unit.
This unit is equipped with a safety device which automatically turns the laser beam off when the disc compartment is opened. If a pin or other metal object should get inside the unit, however, this safety device may be deactivated.
- Do not drop the unit.
Do not drop the unit or subject it to strong shocks. Doing so could result in damage.

Do not place the unit in the following locations:

- Locations where the temperature is high.
The unit's cabinet may warp or the unit may otherwise be damaged if it is placed in direct sunlight, near heaters (where the temperature is 60°C or greater) or in cars with the windows closed. (In the summer, the temperature may get as high as 100°C or more.)
Use the unit within a temperature range of 5°C to 35°C.
- In humid or dusty locations.
- In locations exposed to heavy vibrations.
- On unstable or tilted surfaces.

CONDENSATION

If cold water is poured into a glass, water droplets form on the outside of the glass. This is called condensation. Condensation may occur on internal operating parts of the lens.

Condensation occurs:

- When the unit is brought from the cold outdoors into a warm room, or if it is in a cold room which is heated quickly.
- In the summer, if the unit is moved suddenly from an air-conditioned room or car to a hot or humid location.

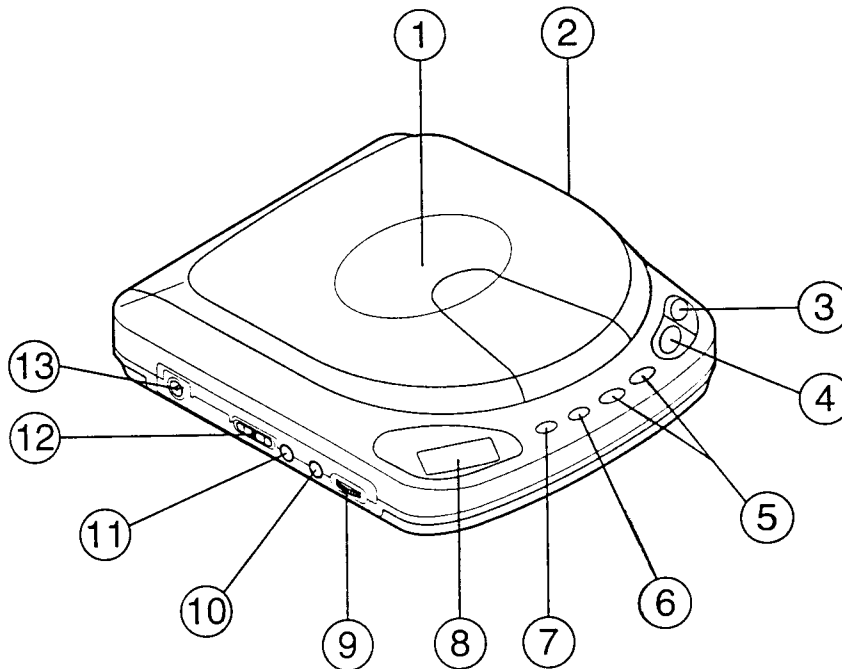
Should condensation occur:

The unit may not operate properly if condensation occurs.

Wait for 1 or 2 hours (to allow the internal parts to adjust to the surrounding temperature) before using the unit.

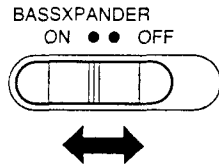
CONTROLS

1. Disc Compartment
2. Battery Compartment (bottom)
3. Play/Pause Button (▶/⏸)
4. Stop Button (■)
5. F BACK/F FWD Buttons
6. SET Button
7. P.MODE Button
8. Display
9. VOLUME Control
10. PHONES Socket
11. LINE OUT Socket
12. BASSXPANDER Switch
13. DC 6V Socket



BASSXPANDER SWITCH

Use the BASSXPANDER switch to increase the bass sound.



ON: To increase the bass sound

OFF: Normal sound

AUTO POWER ON FUNCTION

The power turns on automatically when the ►/II, P.MODE, F BACK or F FWD button is pressed or when the disc lid is closed.

AUTO POWER OFF FUNCTION

The power turns off automatically when all tracks on a disc have been played or when the ■ button is pressed once to stop play.

- The power turns off automatically after the P.MODE, F BACK or F FWD button is pressed if no other operation is performed.
- The power turns off immediately after the disc compartment is opened.
- The power turns off immediately if the ■ button is pressed twice during play.

POWER SUPPLY

OPERATION WITH RECHARGEABLE NICKEL-CADMIUM BATTERY (not supplied with CDP-150)

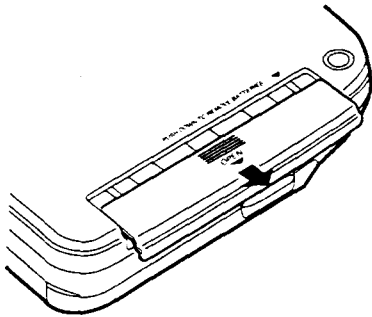
RECHARGEABLE NICKEL-CADMIUM BATTERY INSTALLATION

NOTE:

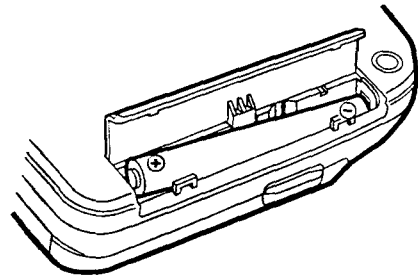
Only the NBP-30B rechargeable nickel-cadmium battery should be used with the CDP-150. If a different type of rechargeable battery is installed, it cannot be recharged by the CDP-150.

To purchase the NBP-30B rechargeable nickel-cadmium battery, contact one of the Sanyo Service regional offices.

- **Fully charge the rechargeable nickel-cadmium battery before using it for the first time.**
1. Slide the battery compartment on the bottom of the unit to the right, then swing the battery compartment open.

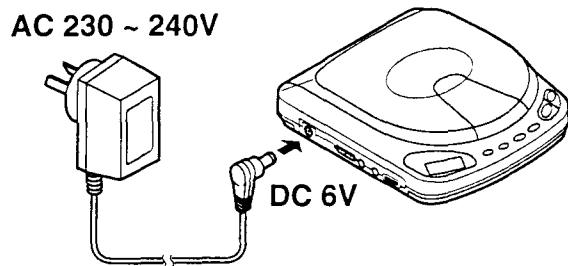


2. Insert the NBP-30B rechargeable nickel-cadmium battery (not supplied) into the battery compartment. Be sure to observe the proper polarity (the "+" and "-" signs, as indicated inside the battery compartment).



3. Close the battery compartment.

4. Plug one end of the supplied AC adaptor into the DC 6V socket, then plug the other end into a 230 ~ 240V AC wall outlet.



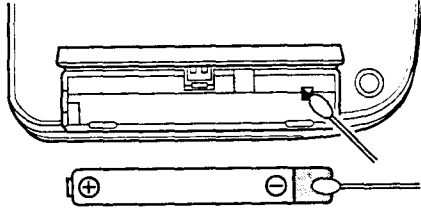
- The battery is fully charged approximately 8 hours after the AC adaptor is connected.
 - More time may be required for charging in cold temperatures.
5. When charging is completed, disconnect the AC adaptor plugs from both the CDP-150 and the AC outlet.

Cautions on the AC Adaptor

- Use this unit only with the supplied AC adaptor. Use with other AC adaptors could damage the unit.
- Do not touch the AC adaptor with wet hands. Doing so is dangerous, as this could result in an electrical shock.
- If the AC adaptor is connected when the batteries are installed, the power supply automatically switches to the mains source and the batteries are disconnected.

Notes on the Rechargeable Nickel-Cadmium Battery

- Always keep the charging terminal clean.




- Only use the NBP-30B rechargeable nickel-cadmium battery (not supplied) with the CDP-150. If a different type of rechargeable battery is installed, it cannot be recharged by the CDP-150.

Under normal usage conditions, this battery can be recharged approximately 500 times.

- If the operating time decreases drastically even when the rechargeable nickel-cadmium battery is properly recharged, purchase a new NBP-30B rechargeable nickel-cadmium battery.
- Do not use any AC adaptor other than the one supplied with the CDP-150.
- Do not charge continuously for 24 hours or more. Doing so can cause the performance of the rechargeable nickel-cadmium battery to deteriorate.
- Do not short-circuit the "+" and "-" terminals of the rechargeable nickel-cadmium battery.
- Do not put rechargeable nickel-cadmium batteries in water or fire.
- Do not disassemble rechargeable nickel-cadmium batteries.

Battery Recharging or Replacement

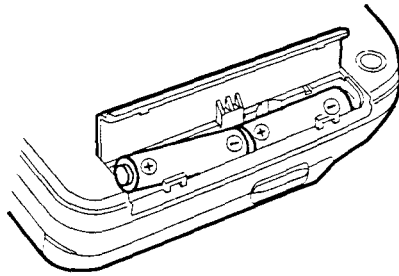
If the rechargeable nickel-cadmium battery or alkaline batteries are weak and discharged, "  " flashes in the display, then the power automatically turns off. If this occurs, recharge the rechargeable nickel-cadmium battery or replace the alkaline batteries before using the unit.

- This unit can be used if the rechargeable nickel-cadmium battery or alkaline batteries are removed, as long as the supplied AC adaptor is connected.
- When you are not going to use the unit for one month or more, take the rechargeable nickel-cadmium battery or alkaline batteries out of the battery compartment.

To remove the rechargeable nickel-cadmium battery or old batteries, press the negative side of the battery so the battery pops out from the compartment.

ALKALINE BATTERY INSTALLATION (not supplied)

Insert two "AA" batteries (not supplied) into the battery compartment on the bottom of the unit.



CAUTION:

WHEN INSTALLING THE BATTERIES

To prevent leakage from the batteries, which is corrosive and can cause personal injury and damage to the unit, observe the following precautions:

1. The batteries must be installed correctly. Match the polarities (+ and - signs) on the batteries, to the polarities shown on the back of the unit.
2. Do not mix new batteries with old or used batteries.
3. Only use batteries of the same type and brand.
4. If the unit will not be used for an extended period of time, remove the batteries and store them in a cool place.
5. Carefully follow the battery manufacturer's instructions for proper use and disposal.
6. **DO NOT ALLOW YOUNG CHILDREN TO HANDLE BATTERIES.**
7. When inserting the batteries, mistakenly inserting even one with improper polarity will cause leakage.
8. Never charge, heat, disassemble, or throw batteries into a fire.

NOTE:

When the batteries have become discharged, they must be disposed of in a safe manner which complies with all applicable laws.

NOTE: If the operating buttons do not function when pressed...

1. Remove the batteries and/or disconnect the AC adaptor from the unit. Wait a few seconds, then reinstall the batteries or reconnect the AC adaptor.
2. If the buttons still do not function, insert new batteries or charge the rechargeable nickel-cadmium battery.

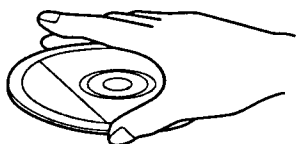
HANDLING COMPACT DISCS

This unit is designed to play compact discs bearing the identification logo below. Discs that do not carry this logo may not conform to the CD standard and may not play properly.



Dirty, scratched or warped discs may cause skipping or noise. Pay attention to the following:

- Handle the disc only by the edges. To keep the disc clean, do not touch the surface of the disc.



- Discs should be returned to their cases after use to avoid serious scratches that could cause the laser pickup to skip.
- Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Prolonged exposure to high temperatures can warp the disc.

- Do **not** apply paper or write anything on either side of the compact disc. Sharp writing instruments, or the inks used in some felt-tip pens, may damage the surfaces of the disc.
- Fingerprints should be carefully wiped from the surface of the disc with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and microscopic debris, so gently wiping them with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles and light stains will have no effect on reproduction quality.

YES



NO



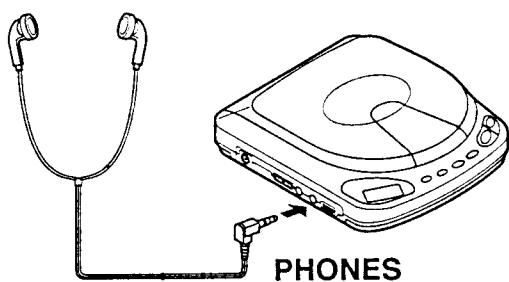
- **Never** use such chemicals as record sprays, anti-static sprays, benzene or thinner to clean compact discs. Such chemicals can damage the plastic surface of the disc.

- The unit will not play a disc that has been inserted upside down, or discs which do not conform to the Compact Disc standard. Also, the unit may not play discs that are scratched, soiled or carry fingerprints.
- 8 cm CDs can be played without an adaptor.

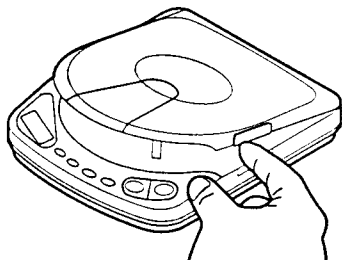
PLAYING A DISC

- Be sure to reduce the volume before plugging in or unplugging the headphones.

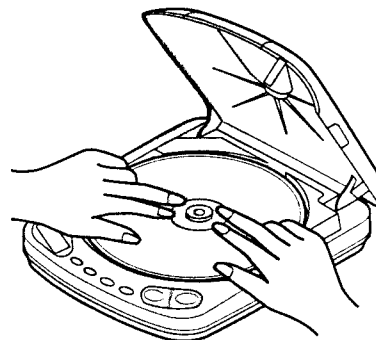
1. Plug the cord from a pair of headphones into the PHONES socket.



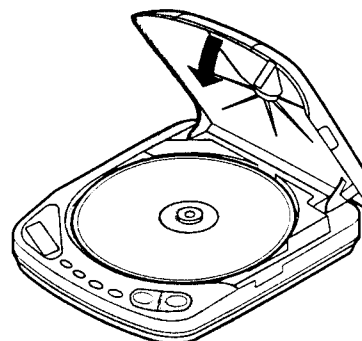
2. Lift up the right side of the disc compartment with your hand to open the disc compartment.



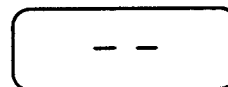
3. Hold the disc with the labeled side up and press it onto the spindle until it "clicks" into place.



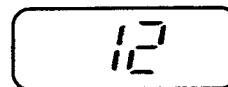
4. Close the disc compartment. The disc will begin to spin, the display will indicate the total number of tracks on the disc, then the display will go out. If you press the ►/|| button while "--" appears in the display, play will begin immediately with track number 1.



TRACK NO.

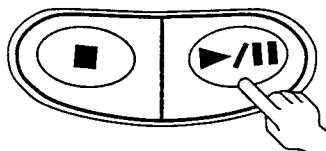


TRACK NO.

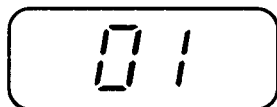


Total number of tracks

5. Press the ►/|| button to begin play.

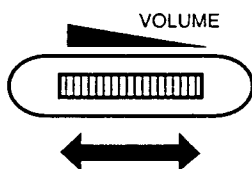


TRACK NO.

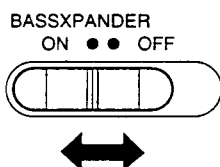


Track number currently playing

6. Adjust the VOLUME control as desired.

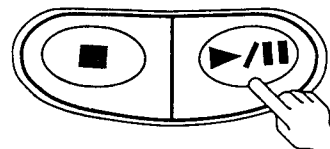


7. Set the BASSXPANDER switch as desired.



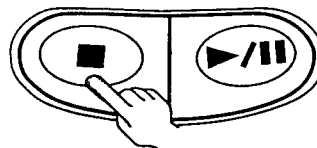
8. To stop play temporarily, press the ►/|| button.

- The track number flashes in the display.



- Press the ►/|| button again to resume.

9. To stop play, press the ■ button once. "00" appears in the display.



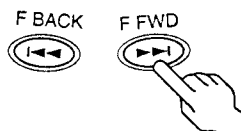
- To turn the power off, press the ■ button once again.

- The power turns off automatically when all tracks on a disc have been played.

- The power also turns off when the disc compartment is opened.

TRACK SEARCH

Press the F BACK or F FWD button during play to skip to the desired track.



- Press the ►► button to skip to the next track on the disc.
- Press the ◀◀ button to skip to the beginning of the track currently playing.
- Press the ◀◀ button twice or more to skip to previous tracks.

FORWARD/REVERSE SEARCH

Press and hold the F BACK or F FWD button during play to scan the disc at high speed. When the desired section of the disc is found, release the button. Normal play will resume.

►►..... FORWARD
◀◀..... REVERSE

- If you press and hold the F FWD button while the last track is playing, and the end of the track is reached, the player stops.
- If you press and hold the F BACK button while the first track is playing, normal play automatically begins from the beginning of the first track.

When the F BACK or F FWD button is pressed in the stop mode (“00” displayed) or after the power turns off:

- First, the total number of tracks is displayed.
- Next, the track number flashes.
- Once the desired track number is displayed, press the ►/|| button to begin play from that track.

When the P.MODE button is pressed in the stop mode (“00” displayed) or after the power turns off:

- First, the total number of tracks is displayed.
- Next, “01” flashes, and the play mode switches in the following order: single track repeat → all tracks repeat → program repeat → programmed play → off (normal play).
- Once the desired play mode is displayed, press the ►/|| button to begin play in that mode.

Example: To select single track repeat

1. Press the P.MODE button to display “1 ☐”.
2. Press the F BACK or F FWD button to display the desired track number.
3. Press the ►/|| button.

Example: To select program repeat or programmed play

1. Press the P.MODE button to display “☐ M” or “M”.
 - “00” and “M” flash in the display.
2. Follow steps 2 ~ 6 under “PROGRAMMED PLAY” (page 16).

NOTES:

- The power will turn off automatically if a function button is not pressed within 8 seconds after the unit enters the stop mode (“00” displayed).
- When selecting a play mode that requires more than one button to be pressed, press the second button within 8 seconds after pressing the first.

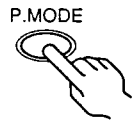
PROGRAMMED PLAY

- The tracks on the disc can be programmed for play in any order. (Up to 16 tracks can be programmed.)
- During programming, the track number and “M” will flash in the display.

Program Example:

Program Number	1	2	3	4	5	6			
Track Number	5	3	8	1	2	4			

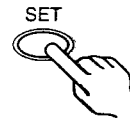
1. Press the P.MODE button four times during play.



TRACK NO.



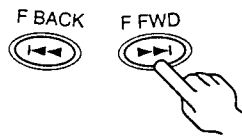
3. Press the SET button. Track 5 is now programmed.



TRACK NO.



2. Press the F BACK or F FWD button to select track number 5.



TRACK NO.

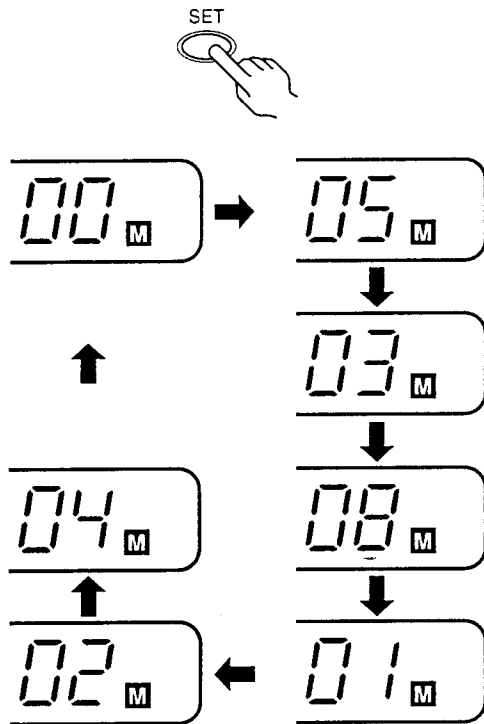


Track number

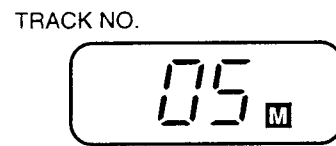
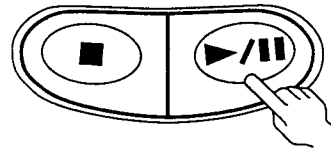
4. Repeat steps 2 and 3 to program other tracks.

- Programmed play automatically begins if you program 16 tracks.

5. To check the program contents after all track numbers have been programmed, press the SET button.
The programmed track numbers will be displayed in the order they were memorized.



6. After programming is finished, press the ►/|| button.
 - “M” stops flashing in the display and programmed play begins.



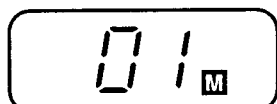
- The unit stops automatically after all programmed tracks have been played.
- The programmed tracks are stored in memory until the disc compartment is opened.
To play the same program again, press the P.MODE button to display “M”, then press the ►/|| button.
- Programming is also possible in the pause mode.

Changing the Last Portion of a Program

Example: Change the programming from program 4 onward

1. Press the SET button to display track number 1 (program number 4).

TRACK NO.



2. Press the F BACK or F FWD button to set the track number display to "00".

TRACK NO.



3. Press the SET button to delete program 4 and the following programs. The display will indicate track number 5 (program number 1).

TRACK NO.



4. Press the SET button to display "00".
5. Program subsequent entries using the following procedure: press the F BACK or F FWD button to display the track number, then press the SET button.

Deleting the Program

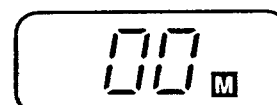
1. Press the SET button to select track number 5 (program number 1).

TRACK NO.



2. Press the F BACK or F FWD button to set the track number display to "00".

TRACK NO.



3. Press the SET button and the entire program will be deleted.

The programs will be lost in the following circumstances.

- When the disc compartment is opened.
- When the rechargeable nickel-cadmium battery or the alkaline batteries are exhausted.
- When the rechargeable nickel-cadmium battery or the alkaline batteries have not been installed and the AC adaptor is disconnected.

Normal play without erasing the program

1. Press the P.MODE button during programmed play. When the "M" display goes out, normal play resumes.
2. To return to programmed play, press the P.MODE button to display "M", then press the ►/|| button.

Program Example:

Program Number	1	2	3	4	5	6			
Track Number	5	3	8	1	2	4			

Press the P.MODE button to display "M". The track number and "M" flash in the display. Then proceed to any of the four following operations: Changing the Program, Adding a Program, Changing the Last Portion of a Program or Deleting the Program.

Changing the Program

Example: To change program 2, track number 3 to track number 6

1. Press the SET button to display track number 3 (program number 2).

TRACK NO.



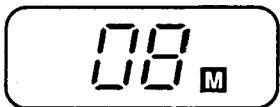
2. Press the F BACK or F FWD button to change the track number to 6.

TRACK NO.



3. Press the SET button. After the change has been completed, the display will change to indicate the next program number (track number 8, program number 3).

TRACK NO.



Adding a Program

Example: Add track number 9 as program 7

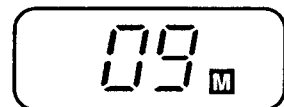
1. Press the SET button to display "00".

TRACK NO.



2. Press the F BACK or F FWD button to display track number 9.

TRACK NO.



3. Press the SET button. After the addition is completed, the display will indicate "00".

TRACK NO.




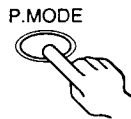
4. To make further additions, repeat the same procedure: press the F BACK or F FWD button to display the track number, then press the SET button.

REPEAT PLAY

SINGLE TRACK REPEAT

Press the P.MODE button once during play.

- "1  appears in the display.





TRACK NO.

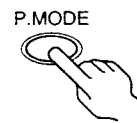


Track number which is repeated

PROGRAM REPEAT

1. Press the P.MODE button three times during play.

- " appears, and "00" and " flash in the display.



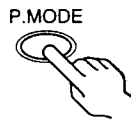
TRACK NO.



ALL TRACKS REPEAT

Press the P.MODE button twice during play.

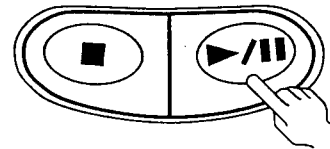
- "ALL  appears in the display.



TRACK NO.



2. Follow steps 2 ~ 6 under "PROGRAMMED PLAY" (page 16).



TRACK NO.



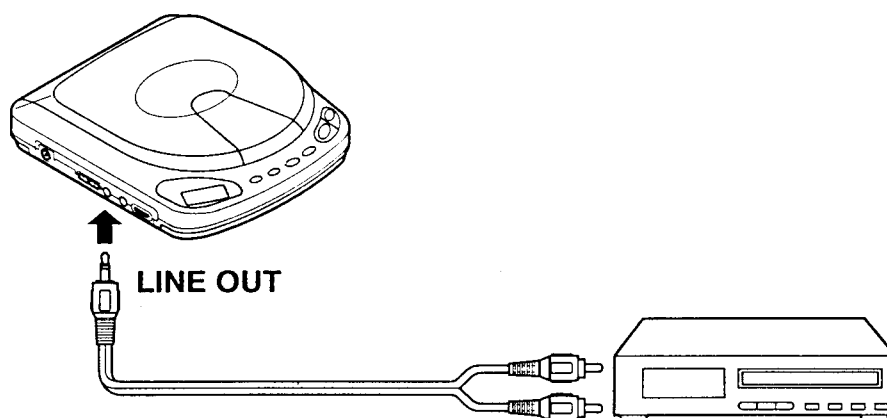
RECORDING FROM THE LINE OUT SOCKET

The output from the CD player can be recorded.

Connect the supplied patch cable from the LINE OUT socket on the CD player to the LINE INPUT sockets on a cassette recorder.

The sound from the CD can be heard through a pair of speakers.

Connect the supplied patch cable from the LINE OUT socket on the CD player to the AUX or CD INPUT sockets on a stereo system.



CLEANING

CLEANING THE PICKUP LENS

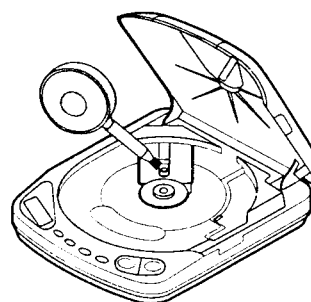
Dust on the pickup lens can lead to erratic operation and interruption of the sound during play.

- To clean the pickup lens, open the disc compartment. Blow the dust off of the lens using a camera lens blower (available at most camera stores).
- Do not touch the surface of the lens.

CLEANING THE CABINET

Use a soft cloth moistened with plain lukewarm water and wrung dry.

Never use benzol, benzene or other strong chemical cleaners, since these could damage the finish. It is important that no liquid reaches the inside of the unit.



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