Operating Instructions

PD-F904

CDFILE
100-DISC

COMPACT
disc
DIGITAL AUDIO
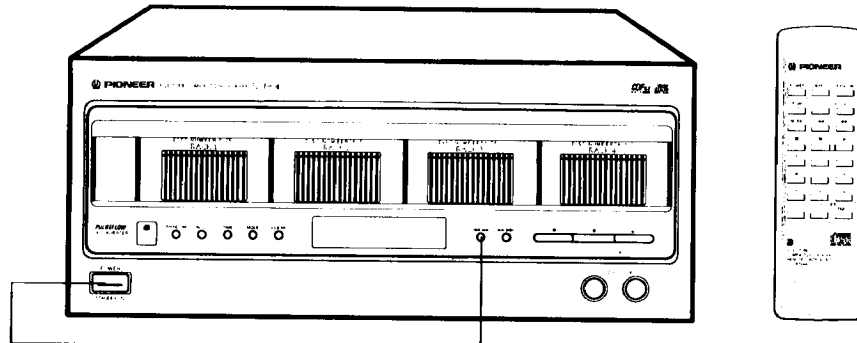
POWER ON DEMO display

POWER ON DEMO display mode allows you to see variations of the display. To enter the POWER ON DEMO display mode, press POWER and then ⏮ ◀◀ within 1 second after turning on the power.

To cancel the POWER ON DEMO display mode, press any button.

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

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

IMPORTANT NOTICE
[For U.S. and Canadian models]
The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]
CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

CAUTION:
This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

[For Canadian model]
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

POWER-CORD CAUTION
Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

This player is for consumer use. If the player is used in a business (for example, in a restaurant), the player will not be covered under warranty.

(Ω) PIONEER®
The Art of Entertainment

IMPORTANT

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

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The safety and operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:
● The power-supply cord or the plug has been damaged.
● Objects have fallen, or liquid has been spilled into the appliance.
● The appliance has been exposed to rain.
● The appliance does not appear to operate normally or exhibits a marked change in performance.
● The appliance has been dropped or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
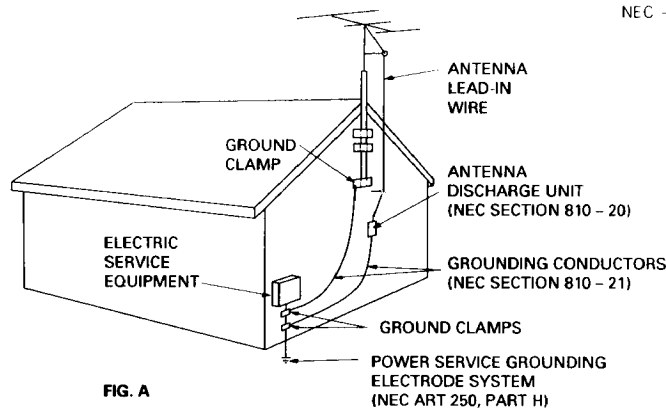
OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC – NATIONAL ELECTRIC CODE

ANTENNA LEAD-IN WIRE

GROUND CLAMP

ANTENNA DISCHARGE UNIT (NEC SECTION 810 – 20)

ELECTRIC SERVICE EQUIPMENT

GROUNDING CONDUCTORS (NEC SECTION 810 – 21)

GROUND CLAMPS

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

FIG. A

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
● Start your volume control at a low setting.
● Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:
● Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

CONTENTS

TRANSPORTATION SCREW

In order to protect the inside of this unit from vibration and shocks during transportation, the internal mechanism is fixed with transportation screws.

Before using the player, remove the three transportation screws located on the bottom panel by turning them counter-clockwise with a crossed or flat-blade screwdriver.

If this unit is placed with the top panel or right-side panel down after the screws have been removed, the internal mechanism will fall.

Be sure to place the unit with the left side panel down and remove the screws (red x 3). Before tilting the unit, confirm that no discs are inserted in the player.

Do not tilt this unit with discs left inside it, for this will cause malfunction.


Transportation screws
(red)
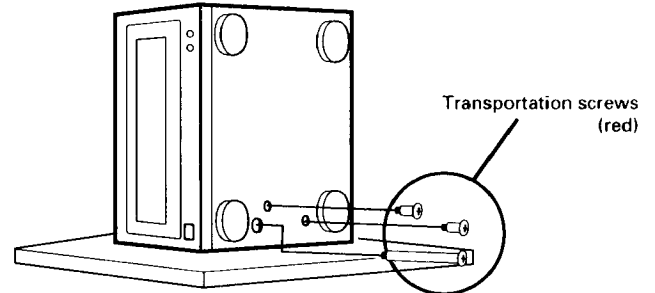
Retain all screws as they will be necessary when the unit is to be retransported.

Never remove any screws other than the transportation screws.

● When re-transporting this unit in the future, remove all discs in the player and close all Racks(Page 8). Turn off the POWER STANDBY/ ON switch and leave the unit in STANDBY mode for 10 seconds or more. And then, tighten the transportation screws by turning them with the crossed or flat-blade screwdriver clockwise until it stops. Be careful not to tighten the screws too firmly.

When tightening the screws, place the unit with the left side panel down.

CONFIRM SUPPLIED ACCESSORIES
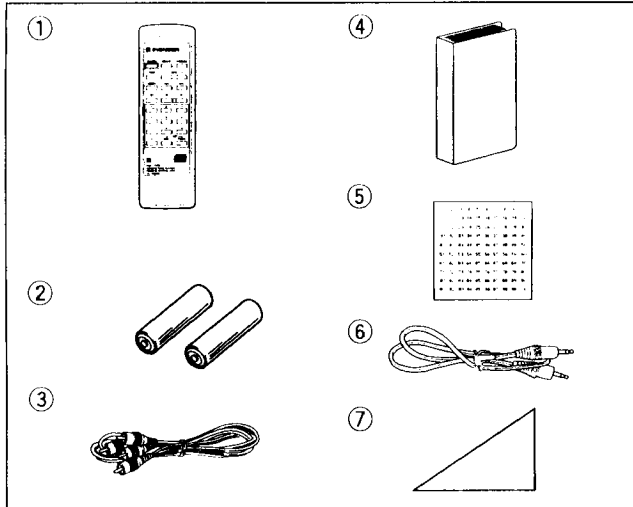
① Remote control unit x 1
② AAA/R03 dry cell batteries x 2
③ Output cable x 1
④ CD liner notes file x 1
⑤ Index label sheet x 1
⑥ Control cable x 1
⑦ Electrostatic charge removal sheet x 1

● **Affixing the index labels**
Use the labels (1 ~ 100) as shown below, and affix them as
corresponding to the disc number shown on the groove of the
Rack.

The following are examples of using labels.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Index label sheet
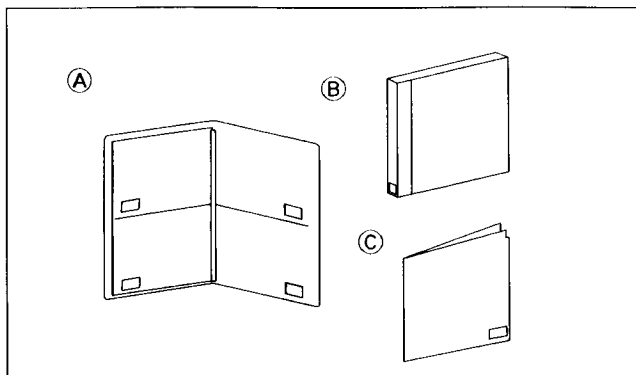
● Attach the supplied labels to one of the three positions shown in
the illustration above.
(A): For supplied CD liner notes file
(B): For CD disc case
(C): For CD disc's liner notes

PUT BATTERIES INTO THE REMOTE CONTROL UNIT
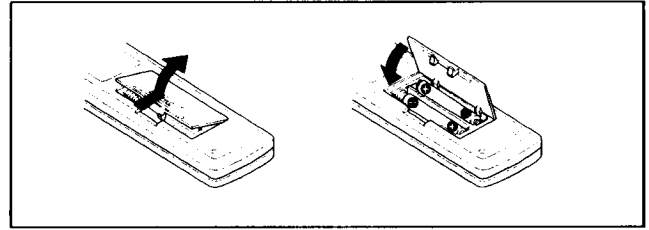
Open the lid of the battery compartment on the rear of the remote
control unit, and insert the batteries, taking care to align the ⊕ and
⊖ polarities correctly.

NOTES:
● *In order to prevent battery leakage, remove the batteries when
not using the remote control unit for an extended period (one
month or more). If leakage occurs, carefully wipe away any
battery fluid inside the compartment, and replace the batteries
with new ones.*
● *Do not allow books or other objects to rest on top of the re-
mote control unit, since the buttons may be depressed, causing
faster exhaustion of the batteries.*
● *When the operable range decreases, this means that the batteries
are nearly exhausted. Replace them with new batteries.*

Incorrect use of batteries may cause leakage or rupture.
Always be sure to follow these guidelines:
A. Always insert batteries into the battery compartment
correctly matching the positive ⊕ and negative ⊖
polarities, as shown by the display inside the
compartment.
B. Never mix new and used batteries.
C. Batteries of the same size may have different voltages,
depending on brand. Do not mix different brands of
batteries.

REMOTE CONTROL OPERATIONS

When operating the remote control unit, point the unit's infrared
signal transmitter at the remote control receiver (Remote Sensor) on
the front panel of the player. The remote control unit can be used
within a range of about 7 meters (23 feet) from the remote sensor, and
within angles of up to about 30 degrees.
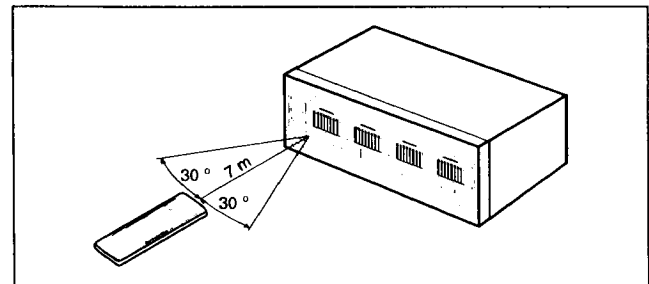
NOTE:
*If the remote control sensor window is in a position where it receives
strong light such as sunlight or fluorescent light, control may not be
possible.*

CAUTIONS REGARDING HANDLING

Location

Install the unit in a well-ventilated location where it will not be exposed to high temperatures or humidity.

Do not install the unit in a location which is exposed to direct rays of the sun, or near hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the unit in a damp or dusty environment may also result in a malfunction or an accident. (Avoid installation near cookers etc., where the unit may be exposed to oily smoke, steam or heat.)

Do not install the unit on a tottered stand,nor on an unstable or inclined surface.

Precautions regarding installation

● Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.

● Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture.

● Such noise may be particularly noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna, or turn off power to the compact disc player.

● **Please place this unit on a level surface.**

Cleaning the player

To clean the PLAYER, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution made by diluting one part detergent to 5 or 6 parts water, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

Storing discs

● Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars, since the seat of a car in direct sunlight can become unbelievably hot.

● Always read and abide by the precautionary notes listed on disc labels.
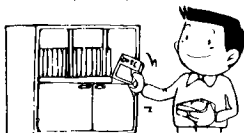
CD lens cleaner

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, consult your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

Condensation

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. To prevent this , allow the unit to stand for about an hour before switching it on, or raise the room temperature gradually.

Cleaning and handling compact discs

● The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality. Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.
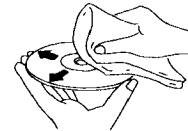
● If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft, dry cloth.

● Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.
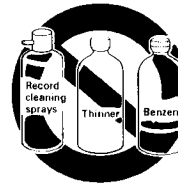
● With this player, use discs which display the mark shown below. (Optical audio digital discs.)

● When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hole.

● Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.

● Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.
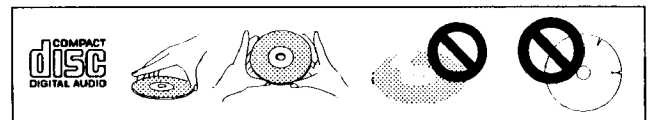
PRECAUTIONS:

● Be careful not to catch your finger when closing the Rack or the front panel.
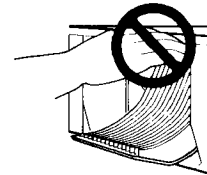
● Never insert anything other than a disc in the player.
● Never insert an 8-cm CD or with its adapter into the Rack.
● Never insert more than one disc in the groove of the Rack.
● When carrying or tilting this unit, remove all discs stored in the Rack.
● Never place anything on the front panel when it is opened.

CONNECTIONS

● Make sure that all of the components are turned off before making connections.
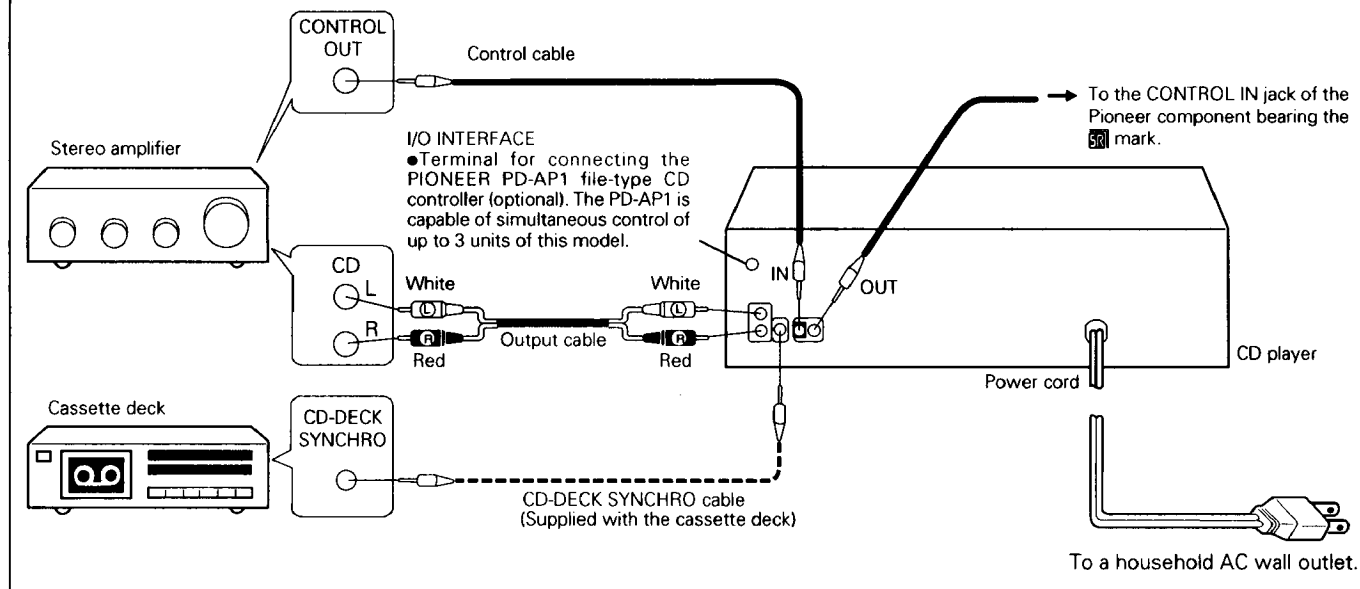
Making connections

[1] Connect the output jacks (LINE OUT) of this unit to the input jacks (CD or AUX) of the amplifier by Output cable. Make sure that the white plugs are connected to the left (L) jacks and the red plugs to the right (R) jacks.
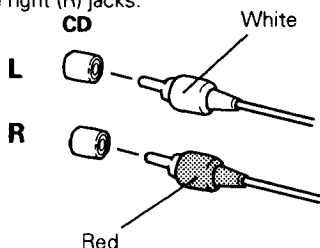
● Be sure not to connect this unit to the amplifier's PHONO jacks, as sound will be distorted and normal playback will not be possible.
[2] Connect the power cord to a household AC wall outlet.
● Make sure plugs are inserted fully into the wall outlet.

NOTE:
Do not connect the power cord to an AC outlet on your amplifier.
If you connect the power cord to a "SWITCHED" AC outlet on an amplifier, you will not be able to use this unit's memory function.

CD-Deck synchro function

If you have a Pioneer cassette deck provided with the CD-Deck synchro function, connect the CD-DECK SYNCHRO jacks of the CD player and cassette deck. With this function, synchro recording can be carried out between player and deck.
● For details on connections and operation, refer to the operating instructions supplied with the cassette deck.
● The CD-DECK SYNCHRO cable is not supplied with the CD player.
● When the CD-Deck synchro recording is carried out on several discs, use the program playback function. (Refer to page 15 for details of program playback.)

System remote control with a Pioneer stereo amplifier that has the 🔲 mark

When a Pioneer stereo amplifier bearing the 🔲 mark is used, connect the CONTROL IN jack on the rear panel of the CD player to the CONTROL OUT jack of the amplifier by Control cable. This will enable the CD player to be controlled using the remote control unit supplied with the stereo amplifier. If you do not plan to use this feature, it is not necessary to connect CONTROL IN/OUT jacks.
● The remote control unit supplied with the amplifier can be used to control Play, Stop, Pause, Track/Disc Search and Disc Change operations.
● For instructions regarding connections and operation, refer to the operating instructions provided with your stereo amplifier.

NOTES:
● *When a control cable is connected to the player's CONTROL IN jack, direct control of the player with the remote control unit is not possible. Operate the player with the remote control unit by aiming it at the amplifier.*
● *Be sure to connect both of the control cable's plugs securely to the CONTROL IN and CONTROL OUT jacks. Do not connect only one end of the cable.*
● *Be sure to turn off the power of the amplifier before connecting the power cord and output cable.*

NAMES AND FUNCTIONS OF PARTS

FRONT PANEL

P.[ ] indicates the page where the control is explained.

When the front panel is closed.

When the front panel is open.
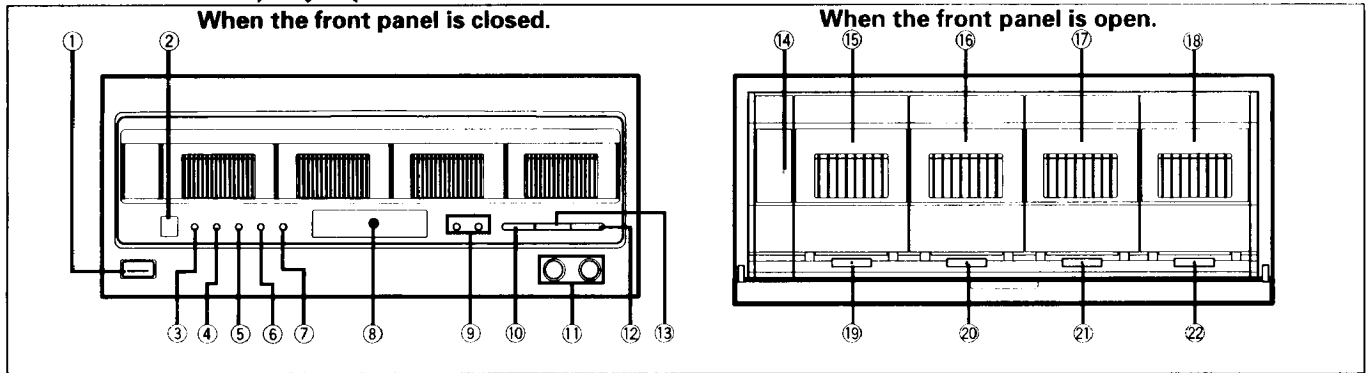
① **POWER STANDBY/ON switch** [P.[10]]
② **Remote sensor** [P.[5]]
  Receives the signal from the remote control unit.

③ **RANDOM button** [P.[14]]
④ **ADLC button** [P.[14]]
⑤ **TIME button** [P.[14]]
⑥ **MODE button** [P.[11]]
⑦ **CLEAR button** [P.[13]] [P.[16]]
⑧ **Display window** [P.[14]]
⑨ **Track/Manual search buttons** [P.[12]]
  (|◄◄ ◄◄ / ►► ►►|)
⑩ **Stop button (■)** [P.[10]]
⑪ **DISC buttons (–/+)** [P.[12]]
⑫ **Play button (►)** [P.[10]]
⑬ **Pause button (II)** [P.[10]]
⑭ **PLAY INDICATOR** [P.[11]]
⑮ **Rack 1** [P.[9]]
⑯ **Rack 2** [P.[9]]
⑰ **Rack 3** [P.[9]]
⑱ **Rack 4** [P.[9]]
⑲ **EJECT button for Rack 1 (▲)** [P.[9]]
⑳ **EJECT button for Rack 2 (▲)** [P.[9]]
㉑ **EJECT button for Rack 3 (▲)** [P.[9]]
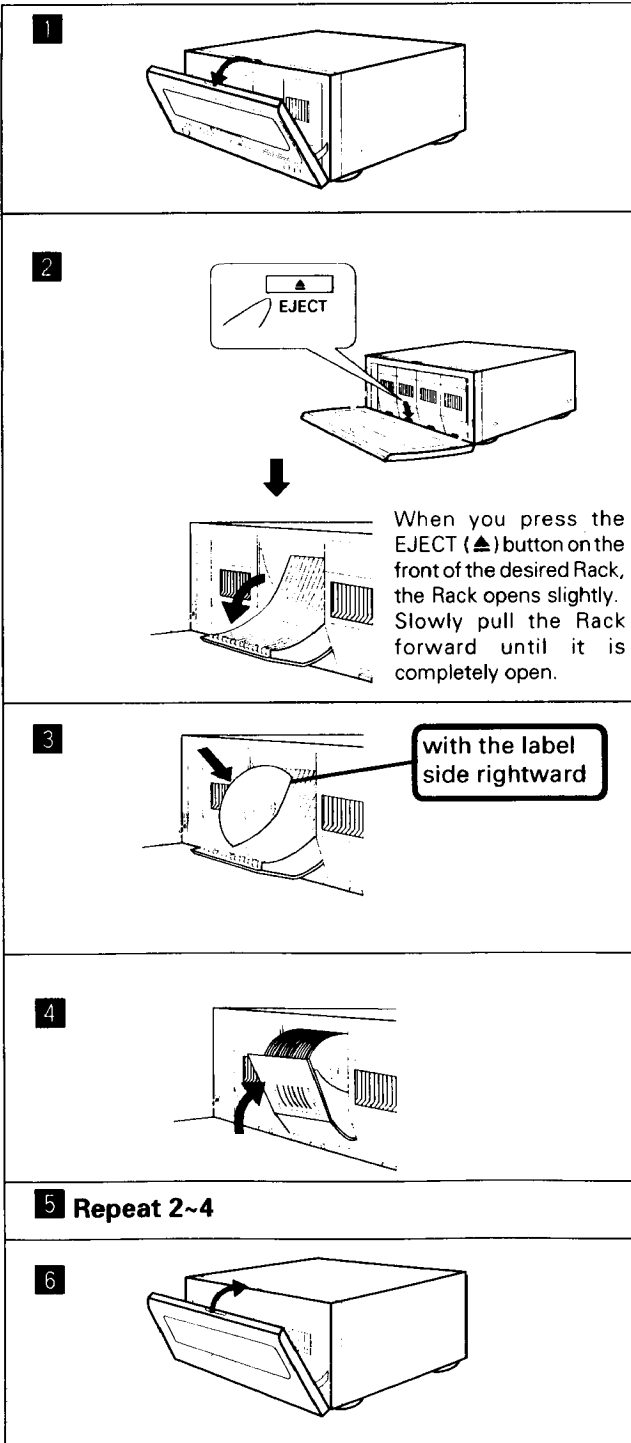㉒ **EJECT button for Rack 4 (▲)** [P.[9]]

REMOTE CONTROL UNIT
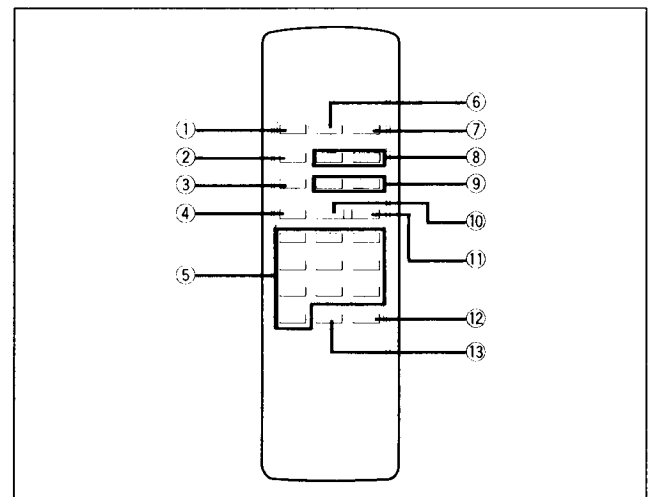
Remote control buttons with the same names or marks as buttons on the front panel of the player control the same operations as the corresponding front panel buttons.

① **POWER button** [P.[10]]
② **PGM button** [P.[15]]
③ **MODE button** [P.[11]]
④ **Stop button (■)** [P.[10]]
⑤ **Digit buttons (0 - 9)** [P.[12]]
⑥ **REPEAT button** [P.[14]]
⑦ **RANDOM button** [P.[14]]
⑧ **DISC buttons (–/+)** [P.[12]]
⑨ **Track search buttons (|◄◄ / ►►|)** [P.[12]]
⑩ **Pause button (II)** [P.[10]]
⑪ **Play button (►)** [P.[10]]
⑫ **TRACK SET button** [P.[12]]
⑬ **DISC SET button** [P.[12]]

1

2

EJECT

When you press the EJECT (⏏) button on the front of the desired Rack, the Rack opens slightly. Slowly pull the Rack forward until it is completely open.

3

with the label side rightward

4

5 Repeat 2~4

6


Insert discs into the Rack (only 12-cm discs)

Insert desired discs into the Racks (1 ~ 4). Up to 25 discs may be inserted into each rack, and a total of 100 discs can be inserted into the player. The disc grooves are numbered from the left side of the rack.

Rack 1 : Disc numbers 1 to 25   -
Rack 2 : Disc numbers 26 to 50
Rack 3 : Disc numbers 51 to 75
Rack 4 : Disc numbers 76 to 100

1 Manually open the front panel by pulling it toward you.

2 When you press the EJECT (⏏) button on the front of the desired Rack, the Rack opens slightly. Slowly pull the Rack forward until it is completely open.

3 Position discs with the label sides rightward.
Up to 25 discs can be loaded per Rack.

4 Push the Rack back to its original position.
● Gently close the Rack completely.

5 Insert other discs into the other Racks by repeating steps 2 to 4.

6 Manually close the front panel.

PRECAUTION:
● If discs are inserted label sides leftward, they will not be played.
● Never insert objects other than discs (song cards, explanations of disc contents, etc.) into the Rack.
● Do not touch the playing surface of discs (the side that has no label) with hands or fingers.
● Never insert more than one disc in the groove of the Rack.
● Never insert an 8-cm CD or with its adaptor into the Rack.
● Be careful not to insert your hands in the cabinet beyond the Rack.
● Please be careful not to pinch your hands or fingers when closing the Rack or front panel.
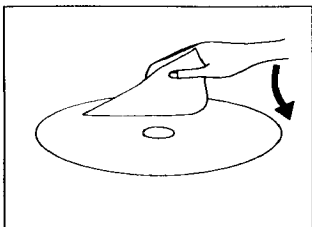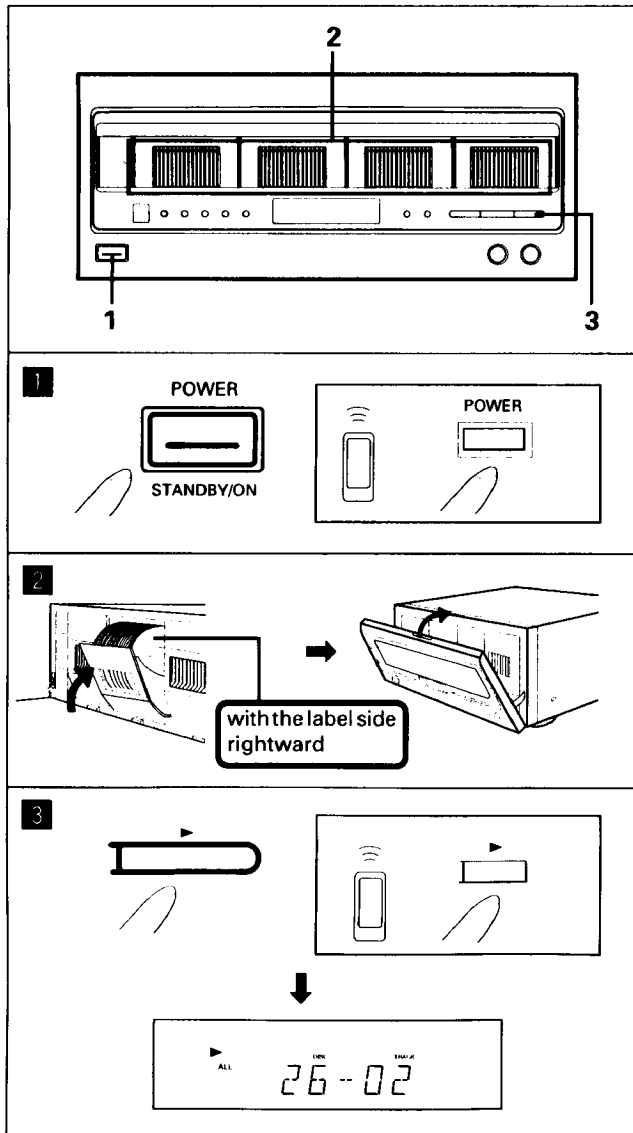

NOTE
If adjacent discs adhere to each other after they have been inserted, gently touch both sides of each disc with the supplied Electrostatic charge removal sheet.

● Discs may be electrified naturally due to environmental changes. An electrified disc may lead to a malfunction.

BASIC OPERATION

Operations indicated by the [🖥] mark are performed with the remote control unit.

To play a compact disc

■ Turn on the power of the player.
■ Insert discs into the Rack, and close the rack and the front panel.
- Insert discs to be played into the Racks beforehand. (Refer to "BEFORE OPERATING THE PLAYER" on page 9.)

■ Press ► to start playback.
- The ► indicator in the display window lights.
- Playback starts with the mode indicated in the display window unless the playing mode (page 11) is not specified.
- While the front panel and the Rack are opened, the Rack's number which cannot be opened appears on the display. ("RACK 2" means Rack 2 cannot be opened.)

> **NOTES:**
> ● When "ALL-no" appears on the display, it means no discs are in the player.
> ● The Rack which contains the disc being played cannot be opened, and discs cannot be changed in that rack.
> ● While the front panel or one of the Racks is opened, the player will not enter the playback mode even if ► or RANDOM is pressed. Be sure to close the Rack and the front panel before pressing ► or RANDOM.
> ● While the front panel and the Rack are opened, the search operation for other discs cannot be carried out.

Last disc memory
When ■ is pressed, or the power is turned off, the player memorizes the disc on which playback was stopped. Therefore, playback can be resumed from the last played disc.
In the program playback mode, playback resumes from the first programmed disc.
Last disc memory function can be carried out in ALL, SINGLE, or CUSTOM playback mode.
Last disc memory does not function after random playback.

To stop and start playback

Changing discs during playback

This unit lets you change up to 75 discs without interrupting playback, but please be aware of the following points.
● Do not press the Rack EJECT (▲) button in the following situations.
　1. When one of the discs in that Rack is playing back.
　2. If less than ten seconds has elapsed since the end of disc search or playback.
● You can determine which Racks cannot be opened from the following two displays.

1. PLAY INDICATOR
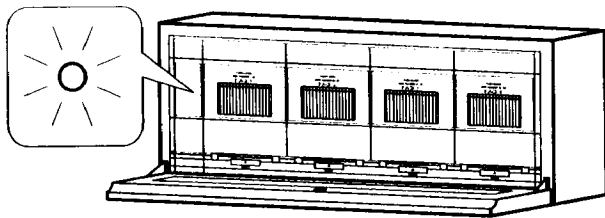
While the PLAY INDICATOR is blinking: One of the Racks cannot be opened even when its EJECT (▲) button is pressed.
The blinking sequence of the PLAY INDICATOR indicates the Rack number which cannot be opened.
　Example: When Rack 2 cannot be opened

| Blinks twice | After a certain interval | Blinks twice again | This cycle is repeated. |
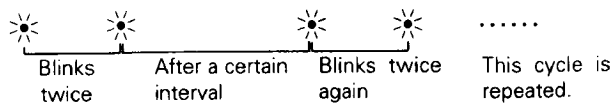
2. Display window

● When the front panel is opened, the Rack number which cannot be opened is displayed on the front display window.Example: When Rack 2 cannot be opened " **RACK 2** " is displayed.
If no Rack number is displayed (simply " **RACK** " is displayed), any Rack can be opened.

> ### NOTES
> ●Do not press the EJECT (▲) button of the Rack which cannot be opened. If you press it by mistake , push the Rack back to its original position.
> ●Do not force a Rack which cannot be opened, otherwise a malfunction will result.

Selecting the playing mode
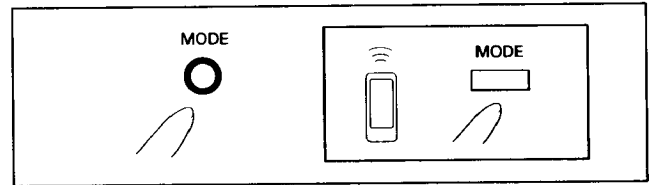
Press the MODE button on the front panel or remote control unit in stop mode to select the desired mode. Playback starts in the selected mode.

ALL	All of the discs loaded in the Racks of this unit will be played.
SINGLE	Only one disc will be played back.
CUSTOM I	Only the discs registered in CUSTOM I, II or III will be played.
CUSTOM II	For example, assuming that classical music discs are registered in CUSTOM I , rock discs in CUSTOM II and jazz discs in CUSTOM III, when CUSTOM I is set, only the classical music discs will be played in order of the disc numbers.
CUSTOM III	

●For the CUSTOM registration procedure, refer to page 13.

Each time the button is pressed, the playing mode changes circularly.
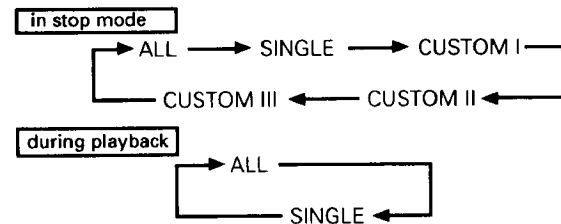
● When the SINGLE mode is selected during playback, the SINGLE mode playback is carried out on the disc being played.

NOTES:
● *CUSTOM mode cannot be selected during playback.*
● *When the power is turned on, the unit enters the last selected mode.*

If less than 100 discs are loaded

In the playback mode, this unit does not recognize a disc when the disc is not inserted into the Rack or the disc is placed with the label surface facing the wrong way. In this case, the display (below) will appear for about 3 seconds in the front panel. Once this information is stored in memory, the next disc will be played back in the ALL mode, but no disc will be played back in the SINGLE mode.
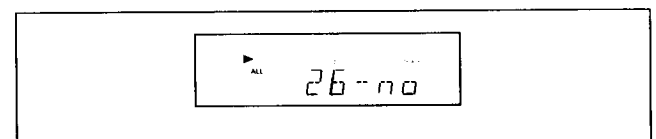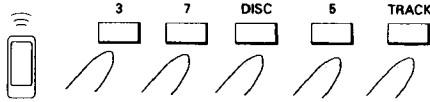
Direct search - To search for a particular disc or track (with remote control unit)

in playback or stop mode

[Example]
To search for track No. 5 on disc No. 37:

NOTE:
If the DISC SET button or the TRACK SET button is not pressed in 5 seconds after the digit buttons are pressed, the display returns to the previous mode.

● When the disc is selected with the digit buttons and the RANDOM button in the SINGLE mode, the single random playback resumes with the specified disc.
● In the CUSTOM mode, only the selected discs are searched for. If discs other than selected discs are searched for in CUSTOM playback mode, "*** - no" is displayed for about 3 seconds while the CUSTOM indicator blinks.

Disc search - To search for a particular disc

in playback or pause mode

The player searches for the specified disc and playback starts from the beginning of that disc.

Press the DISC –/+ button. If a disc is searched for in the stop mode, press ► to resume playback.

● When DISC +, or DISC – is kept pressed, the player automatically searches for the disc number upward or downward.
● Pressing " DISC –" on disc No. 1 searches for disc No. 100. Pressing " DISC + "on disc No. 100 searches for disc No. 1.
● The searching speed becomes faster when the button is kept pressed.
● The TIME display changes to the DISC display during search. After the search operation is finished, the display returns to the TIME display.

Track search - To search for a particular track

in playback or pause mode
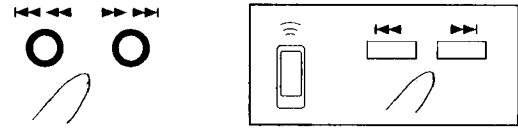
When ►► ►►I on the front panel or ►►I on the remote control unit is pressed once, playback advances to the beginning of the next track. When ►►I on the remote control unit is kept pressed, playback advances to successive tracks on the disc.
When I◄◄ ◄◄ on the front panel or I◄◄ on the remote control unit is pressed once, playback returns to the beginning of the track being played. If you press once more in succession, playback returns to the beginning of the previous track.
When I◄◄ on the remote control unit is kept pressed, playback returns to earlier tracks on the disc.
If the track is searched for in the stop mode, press ►. Playback starts from that track.
● Pressing II during search enters the pause mode after the search operation is finished.
● " ▬ " indicator blinks while the track is searched.
● If I◄◄ or ►►I is pressed in the pause mode, the player enters the pause mode after the search operation is finished.
● The TIME display changes to the DISC display during search. After the search operation is finished, the display returns to the TIME display.

NOTE:
● Track Search can be carried out from 1st track through 99th track before TOC is read.

Manual search - To search for a particular passage

in playback or pause mode
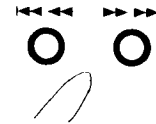
While ►► ►►I is kept pressed, playback rapidly advances toward the end of the disc. When playback reaches the end of the disc, the player enters pause mode and "End" is displayed. While I◄◄ ◄◄ is kept pressed, playback rapidly reverses toward the beginning of the disc.
When the desired passage is reached, release ►► ►►I or I◄◄ ◄◄. The player enters playback mode or pause mode where ►► ►►I or I◄◄ ◄◄ is released.
● During programmed play, playback starts automatically when you reach the beginning of a track, even if you continue to hold down the I◄◄ ◄◄ button.
If the ►► ►►I button is pressed during programmed playback, playback pauses at the position just before the next track.
● While I◄◄ ◄◄ or ►► ►►I is pressed in DISC/TRACK display mode, the display changes to the TIME display. When the button is released, the display returns to the DISC/TRACK display.
● Search speed is faster in pause mode than play mode. However, no sound is output during the search.

1
2
5
3

1 MODE
MODE

2

3 SET
DISC

4 Repeat 2~3

5 ►

TIME DISC +
DISC +

Ⓐ
TOTAL
CUSTOM II
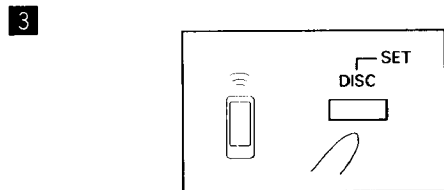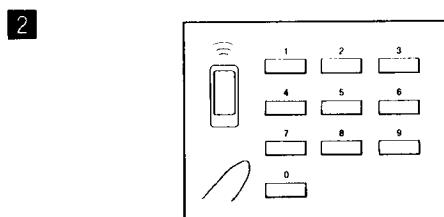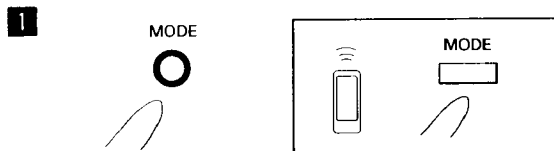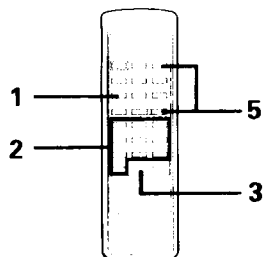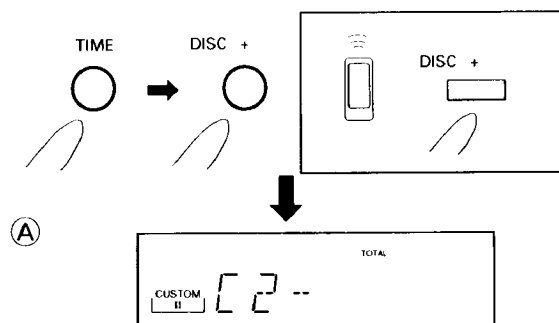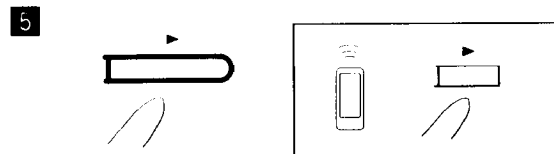
All discs (1 ~ 100) can be divided into 3 CUSTOM modes as your preference. Discs can be selected and stored in memory by music type or artists, etc.

Example: enter disc No. 3 and No. 12 into CUSTOM II.

1 In the stop mode, press the MODE button so that the CUSTOM II indicator lights.
If some disc number appears, press CLEAR on the front panel.

2 Select disc No. 3 with the digit button on the remote control unit.
● When the disc is selected with the DISC –/+ buttons, the disc number is entered automatically in about 2 seconds.
● If the selected disc is not inserted in the Rack, "*** - no" appears on the display.

3 Press the DISC SET button on the remote control unit.
The indicators of CUSTOM II and disc number blink once.

4 To enter disc No. 12, repeat steps 2 and 3.
Up to 100 discs can be entered into one CUSTOM.
Discs can be added even after the entry is completed.

5 Press ► or RANDOM.
Playback starts from the lowest disc number in the CUSTOM.
If RANDOM is pressed, the random playback starts with the selected disc.

To check the entered disc number:
In stop mode, press TIME so that the TOTAL indicator lights and then press DISC +. Each time the button is pressed, entered disc numbers appear on the display. When all discs in one CUSTOM are checked, Ⓐ appears on the display.

To clear all discs of each CUSTOM:
Press MODE to display the number of the CUSTOM you want to erase and press CLEAR on the front panel.

CLEAR
O
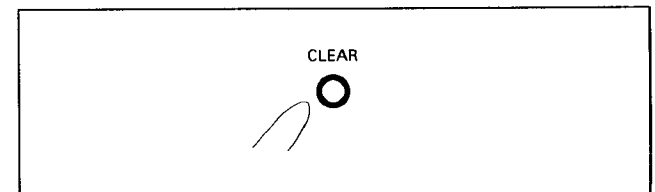
NOTE:
Re-CUSTOM programming cannot be modified.

● During CUSTOM playback, the DISC –/+ buttons only move between discs within that custom.
● During CUSTOM playback, when the disc other than the stored disc into CUSTOM is selected with the digit buttons and DISC SET, "*** - no" is displayed for about 3 seconds, and the CUSTOM indicator blinks.
● When the power is turned off, discs stored in the CUSTOM cannot be cleared.
● When the selected disc is not in the player, "*** - no" is displayed for about 3 seconds. The selected disc is erased from the memory, and the next disc is searched for.
● You cannot change the discs stored in a CUSTOM. Nor can you removing just one disc from a CUSTOM.

To repeat playback (repeat play)
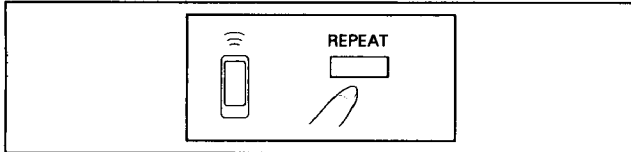
Each time the REPEAT button on the remote control unit is pressed, the repeat mode changes circularly. (one track repeat → ALL repeat → OFF)
To repeatedly play the displayed track, press REPEAT on the remote control unit so that the REPEAT ► 1 indicator lights. REPEAT can be pressed in any playback mode (normal, random, or program).
To repeatedly play all tracks on all of the discs in normal playback mode or in the specified playback mode (Single playback, Custom playback or Program playback), press REPEAT so that the REPEAT indicator and each repeat mode indicator (ALL, SINGLE, CUSTOM, or PGM) light.

Playing mode	Played contents
ALL	All discs (1 ~ 100) repeat
SINGLE	One disc repeat
CUSTOM	All selected discs repeat
PROGRAM	All selected tracks repeat

- To exit repeat mode, press REPEAT so that the REPEAT ► 1 or REPEAT indicator goes off.
- To cancel the repeat playback mode, press ■ during repeat playback.

Random playback - To play all tracks in random order
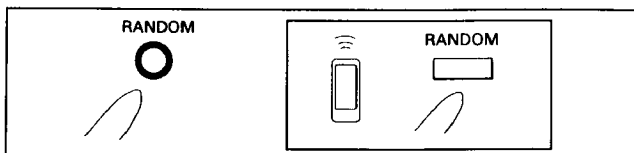
The RANDOM indicator lights and random playback starts in the specified playback mode.

ALL	One track on each disc is played in a random order. When a total of 100 tracks are played back, playback automatically stops. If less than 100 discs are inserted in the player, random playback continues until 100 tracks are played back.
SINGLE	All tracks on one disc are played in a random order. When all tracks are finished playing, playback stops.
CUSTOM	One track on each selected disc is played in a random order. When a total of 100 tracks are played back, playback automatically stops. If there are less than 100 discs in the selected custom, random playback continues until 100 tracks are played back.

To exit the random playback mode:
Select a disc other than the disc being played by pressing one of the digit buttons on the remote control unit or DISC –/+.
- If other mode is selected in random playback mode, random playback will start with the selected mode. If the Rack is opened in random playback mode, discs in the opened rack may be played again.

14

- When the PGM button is pressed in random playback mode, random playback is cancelled and the player enters program mode.

NOTE:
During random playback, the CUSTOM mode cannot be selected with the MODE button.

- If RANDOM is pressed in the random playback mode, another track is selected in random order.
- If RANDOM is pressed while programming, the programmed contents are cleared, and random playback starts in ALL mode.
- If the player is not fully loaded with discs in ALL mode or CUSTOM mode, the same track may be selected and played twice.
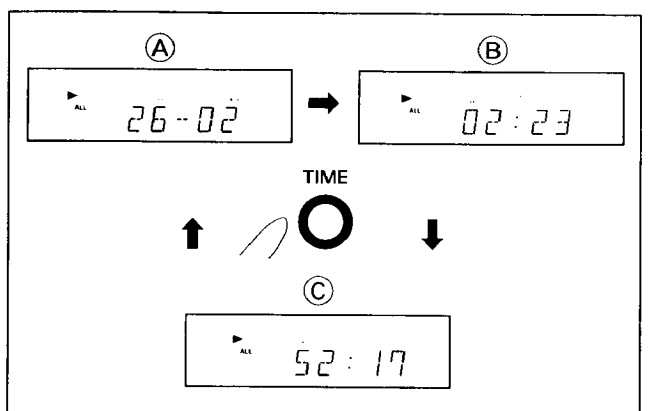
ADLC (Automatic Digital Level Controller)
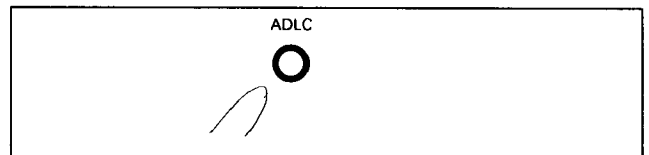
When the difference of recording level between discs is noticeable, the volume level should be adjusted for each disc, especially during program playback or random playback when tracks are selected between 2 discs or more. In such cases, pressing ADLC automatically sets the output level to the proper level. When ADLC is turned on, the ADLC indicator lights.
- To turn off ADLC, press ADLC so that the ADLC indicator goes off.
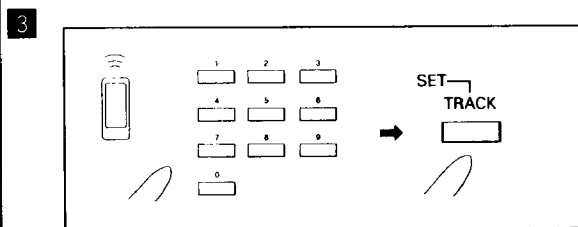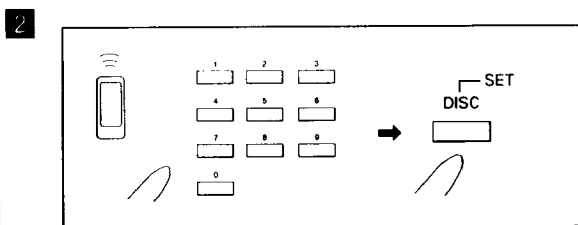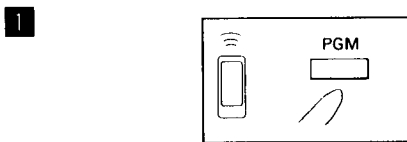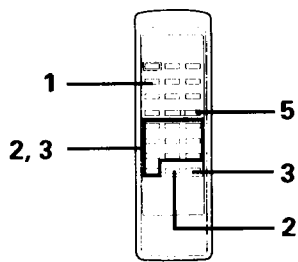- With some selections, sound becomes unnatural. In such cases, turn off ADLC.

Time display

During playback, pressing TIME on the front panel changes the time display in the following sequence: Ⓐ DISC/TRACK (disc number and track number being played) → Ⓑ TIME (elapsed playback time of the track being played) → Ⓒ TOTAL (Displays the total playback time of each disc)
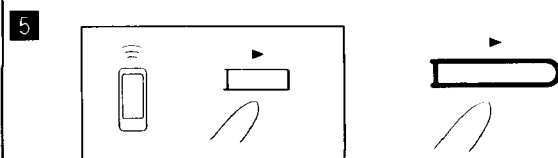- In the stop mode, Ⓐ shows the disc number stored in the Last disc memory, Ⓑ does not show the elapsed playback time of the track being played, and Ⓒ does not show the total playback time of each disc.
- The TOTAL time display in the program mode shows the total programmed steps.
- The TOTAL time display in the CUSTOM mode shows the disc number stored in CUSTOM (only in stop mode). While the display appears, stored disc numbers into CUSTOM can be confirmed by pressing DISC –/+.
- The TOTAL time display Ⓒ during playback will disappear in about 5 seconds.

TO PLAY ONLY DESIRED TRACKS/DISCS

1

2, 3

5

3

2

1

PGM

2

SET
DISC

3

SET
TRACK

---

4 **Repeat 2~3**

5

Program playback - To program tracks/discs in desired order

You can perform this operation in either stop or playback mode. However, |◀◀ and ▶▶| cannot be used to select tracks during playback. Be sure to select stop or playback mode before programming.

● Pressing ▶ when the program indicator is lit starts program playback in the programmed order.

■Press PGM on the remote control unit.
● The PGM indicator lights.

■ Select the disc number which contains the track to be programmed with the digit buttons, and then press the DISC SET button.

To program entire discs, enter the desired disc numbers with the digit buttons and DISC SET, and then go to step 4. Make sure that the player is in stop mode for Disc programming.

● When the DISC SET button is pressed, "AL" (all tracks) appears on the display.
● When the disc number is programmed, the PGM indicator, the disc No. and the track No. blink.
● Only in stop mode, you can use the DISC −/+ buttons. After selecting the disc No., press DISC SET.

■ Enter the track No. to be programmed with the digit buttons and then press the TRACK SET button.

Only in stop mode, you can use |◀◀ or ▶▶|. After selecting the track No., press TRACK SET.

● When the track number is programmed, the PGM indicator, the disc No. and the track No. blink.

■ Repeat steps 2 and 3 to program other tracks.
■Press ▶ .

The tracks are played in the programmed order.

NOTE:
When the disc number is selected with DISC −/+ in step 2, and when the track is selected with |◀◀ or ▶▶| in step 3 in stop mode, the displayed disc No. or track No. is automatically programmed if |◀◀ or ▶▶| is not pressed within 2 seconds. Therefore, be sure to press DISC −/+ or |◀◀, ▶▶| sequentially until the desired disc No. or track No. appears on the display.

To stop Program playback, press ■.

● Programs containing up to 32 steps can be created.
● The program contents will not be erased even if the power is turned off.
● When DISC −/+ is pressed in the program playback mode, the program mode is cancelled, and the program contents are cleared. The player searches for the disc in ALL mode.
● When the programmed disc cannot be detected in program playback mode, or the programmed track cannot be detected after the TOC is read, that programmed step is cancelled.
 "*** - no" is displayed for about 3 seconds, and the next step is played back.

| Disc all program |
This operation can only be performed in stop mode.
If only disc No. is entered, and "AL" appears on the display, all tracks on the disc can be programmed.

● Disc all program mode is cancelled when the track number is entered.
● Disc all programming cannot be carried out during playback.

| Direct program |
● **Press the PGM button during normal playback.**
During normal playback, the track being played can be programmed.
1. Press PGM to enter the program mode.
2 If you wish to program the track currently playing, press PGM while the track is playing.
● Direct programming is not possible during program playback.

To reserve the program

● **Press the PGM button during normal playback.**
The unit enters program mode and you can program while the song is playing back.Program play starts when either the current track finishes playback or ► is pressed. Pressing ► when the program indicator is lit also starts program playback.

Programming a pause

Inserting a pause in your program can be very useful when carrying out recording. Press ❙❙ instead of entering a track number. "PAUSE" appears in the display window.
● For example, when recording on both sides of a cassette tape, if you program a pause after the last track to be recorded on the first side, program playback will pause at that point to allow you to switch tape sides. To resume program playback after the player enters pause mode, press ❙❙.

NOTES:
● *A pause can be programmed only when the program procedure is performed under stop mode.*
● *A pause cannot be programmed at the beginning of a program (P-01), nor can two pauses be programmed one after the other.*
● *A pause inserted in a program is counted as one step.*
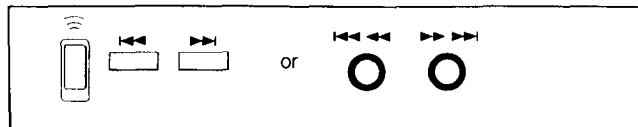
To erase a programmed step
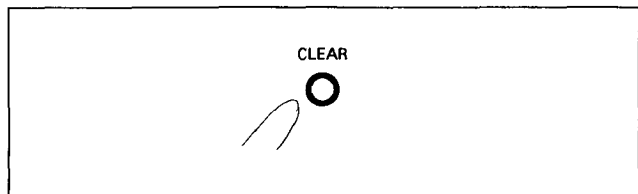
In the program mode, press CLEAR.
The last program step is erased and the contents of the previous program step are displayed (for 5 seconds during playback).

NOTE:
Tracks preceding the currently playing track cannot be erased during program playback.
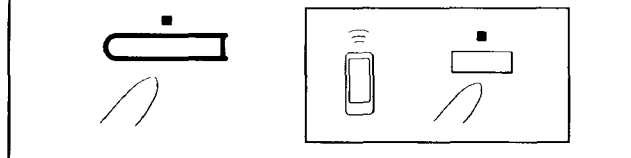
To Check the Program

1. Play the program by pressing ► .
2. Press either ►► ►►❙ on the front panel or ►►❙ on the remote control unit. The programmed disc and track numbers are displayed and that program is played back. In the second programming step or beyond, the previous step can be confirmed by pressing the ❙◄◄ ◄◄ button of the main unit or the ❙◄◄ button of the remote control unit.
● When an entire disc is programmed. For example, if all the tracks on disc number 8 have been programmed, "8-01" is displayed, not "8-AL".
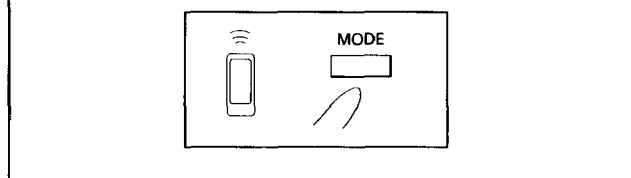
To clear all of the program contents and to cancel the program mode

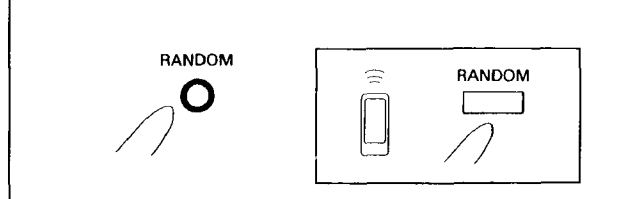You can clear all of the program contents and cancel the program mode by any of the following methods.
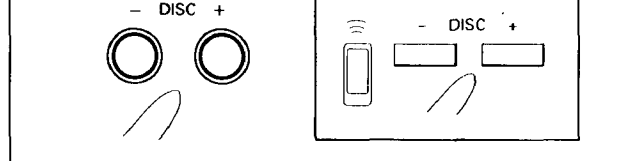
In the stop mode, press ■.

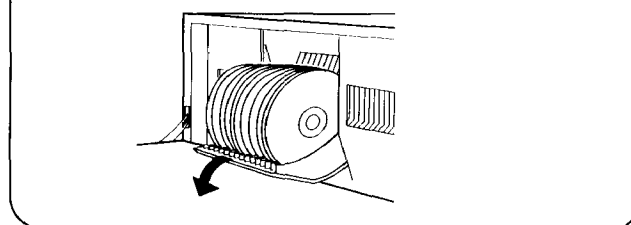In the program mode, select the other mode.

In the program mode, press RANDOM .

In the program playback, press DISC –/+.

┌─── *NOTE* ─────────┐

Open the Rack. The programmed contents of discs in the Rack are cleared.(The program mode is not cancelled.)

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.
If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
The Rack is not opened when EJECT button (▲) is pressed.	● A disc in the desired Rack is being played. (The PLAY INDICATOR is blinking) ● A disc is being searched or 10 seconds have not elapsed since playback finished. ● The AC power plug is disconnected from the wall outlet.	● Close all the Racks and the front panels. Then stop playing back a disc in the desired Rack, or start playing back a disc in another Rack (for more than 10 seconds). ● Close all the Racks and the front panels, and wait for the Disc search to completely finish or more than 10 seconds after finishing playback. ● Connect the AC power plug securely to the wall outlet.
When playback is started, it stops immediately. Pauses or stops during playback.	● The internal mechanism is fixed with transportation screws. ● Disc is inserted the wrong way. ● Smudges, etc., on the disc. ● The selected disc has an electrostatic charge.	● Remove the three transportation screws. (See page 4.) ● Insert the disc correctly with the label side rightward. ● Clean the smudges from the disc and then play it again. ● Carefully wipe the disc with the supplied Electrostatic charge removal sheet (page 9).
No sound	● Output cables are connected incorrectly or loosely. ● Incorrect operation of stereo amplifier. ● Pin plugs and/or amplifier terminals are dirty. ● Player is in pause mode. ● The disc is loaded with the label side leftward.	● Connect properly. ● Check the settings of amplifier switches and sound volume controls. ● Clean away dirt. ● Press ► or II. ● Reload the disc with the label side rightward.
Sound is distorted, noise is output.	● Incorrect connections. ● Pin plugs and/or amplifier terminals are dirty. ● Interference is being picked up from a TV set.	● Connect to amplifier's AUX or CD terminals. Do not connect to PHONO terminals. ● Clean away dirt. ● Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	● Disc has bad scratch or warp. ● Disc is extremely dirty.	● Replace the disc. ● Clean disc.
The picture of the TV screen is fluctuating or FM broadcast has noise interference.	● Interference is being picked up from the CD player.	● Turn off POWER of the player, or move the player away from TV or tuner.
Remote control will not function.	● Dead batteries. ● Too far from player or wrong angle. ● Obstruction between player and remote control unit.	● Replace batteries. ● The distance between remote control unit and player should be no more than about 7 meters. The operational angle against the front panel is within 30° from right or left end of player. ● Relocate remote control unit or remove obstruction.

Abnormal functioning of this unit may be caused by static electricity, or other external interference. To restore normal operation, turn the power off and then on again, or unplug the AC power cord and then plug it in again.

SPECIFICATIONS

1. General
Type .... Compact disc digital audio system
Power requirements .... AC 120 V, 60 Hz
Power consumption .... 12 W
Operating temperature .... +5°C - +35°C
(+41°F - +95°F)
Weight .... 11.0 kg (24 lb 4 oz)
External dimensions .... 420(W) X 399(D) X 190(H) mm
16-9/16(W) X 15-11/16(D) X 7-1/2(H) in

2. Audio section
Frequency response .... 2 Hz - 20 kHz
S/N ratio .... 98 dB or more (EIAJ)
Dynamic range .... 96 dB or more (EIAJ)
Channel separation .... 96 dB or more (EIAJ)
Harmonic distortion .... 0.003 % or less (EIAJ)
Level difference between channels .... 1.0 dB or less (EIAJ)
Output voltage .... 2 ± 0.3 Vrms (EIAJ)
Wow and flutter .... less than ±0.001% (W.PEAK)
(below measurable level) (EIAJ)
Channels .... 2-channel (stereo)

3. Output terminal
Audio line output
Control input/output jacks
CD-DECK SYNCHRO jack
I/O INTERFACE

4. Functions
Number of discs to be stored - maximum 100.

Basic Operation Buttons
● PLAY, PAUSE, STOP

Playback mode
● All Playback Mode
● Single Playback Mode
● Custom Playback Mode

Search Function
● Disc Search
● Track Search
● Manual Search

Programming
● Maximum 32 steps
● Pause
● Program Clear (single track or all tracks)

Repeat Functions
● 1 Track Repeat
● Single Repeat
● All Discs Repeat
● Program Repeat
● Single Random Repeat
● All Discs Random Repeat
● Custom Random Repeat
● Custom Repeat

Random Play
● Random Play (repeat also available)

Switching Display
Disc/Track Number, Time Consumed (track/disc), and Total Time

ADLC
Automatic Digital Level Controller

Memory Hold
Stored Playback Mode, Program Contents, or Custom Mode

Last Disc Memory

Direct Search with the Digit buttons (remote control unit)

Power On/Off (remote control unit)

CD-DECK SYNCHRO jack

Remote Control jack

5. Display
FL Tube Display
● ► indicator
● II indicator
● Playback Mode indicators (all, single, custom)
● Elapsed Time Display (min, sec)
● Total Time Display
● Disc Number, Track Number
● Program Step Number
● Custom Number
● Repeat indicator
● Random indicator
● Program indicator
● ADLC indicator

6. Accessories
● Remote control unit 1
● AAA/R03 dry cell batteries 2
● Output cable 1
● Control cable 1
● Electrostatic charge removal sheet 1
● Operating instructions 1
● Index label sheet 1
● CD liner notes file 1

NOTE:
Specifications and design subject to possible modification without notice, due to improvements.

INDEX CARD

Copy or cut off these index cards, and fill in the titles of the discs in order inserted in the player. It is useful to search for the desired discs if these cards are inserted in the first or last page of the supplied CD liner notes file.
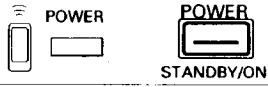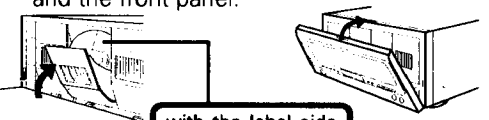
NO. 1
1 ~ 50

No.		No.	
1		26	
2		27	
3		28	
4		29	
5		30	
6		31	
7		32	
8		33	
9		34	
10		35	
11		36	
12		37	
13		38	
14		39	
15		40	
16		41	
17		42	
18		43	
19		44	
20		45	
21		46	
22		47	
23		48	
24		49	
25		50	

NO. 2
51 ~ 100
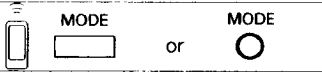
No.		No.	
51		76	
52		77	
53		78	
54		79	
55		80	
56		81	
57		82	
58		83	
59		84	
60		85	
61		86	
62		87	
63		88	
64		89	
65		90	
66		91	
67		92	
68		93	
69		94	
70		95	
71		96	
72		97	
73		98	
74		99	
75		100	

TO PLAY A COMPACT DISC

1 Turn on the power.
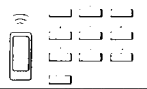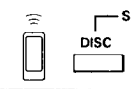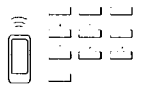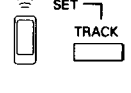
POWER

POWER
STANDBY/ON

2 Insert discs into the Rack, and close the rack and the front panel.

with the label side rightward

3 Press ▶.

▶ ▶

SELECTING THE PLAYING MODE

Press MODE. MODE or MODE ○
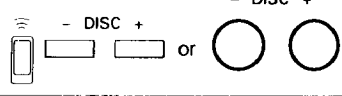
DIRECT SEARCH

1 Select the disc number with the digit buttons.

2 Press DISC SET.

SET
DISC

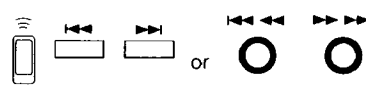**3 Select the track number with the digit buttons.**

4 Press TRACK SET.

SET
TRACK

DISC SEARCH

Press DISC −/+

− DISC + or ○ ○
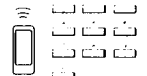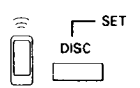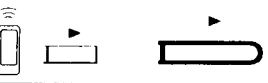
TRACK SEARCH

Press ◄◄ ◄◄ or ▶▶ ▶▶│, │◄◄ or ▶▶│.

◄◄ ▶▶│ ◄◄◄◄ ▶▶▶▶│ or ○ ○

CUSTOM playback

1 In the stop mode, press MODE.

MODE MODE ○

2 Select the disc No. with the digit buttons.

3 Press DISC SET.

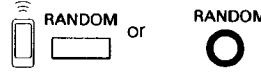SET
DISC

4 Repeat steps 2 and 3 to select the desired discs.

5 Press ▶.

▶ ▶

REPEAT PLAY

Press REPEAT.
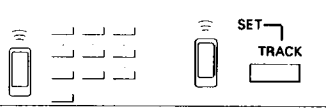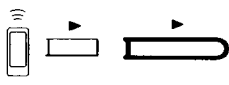
REPEAT

RANDOM PLAYBACK

Press RANDOM.

RANDOM or RANDOM ○

PROGRAM PLAYBACK

1 Press PGM.

PGM

2 Select the disc No. with the digit buttons and DISC SET.

SET
DISC

3 Select the track No. with the digit buttons and TRACK SET.

SET
TRACK

4 Repeat steps 2 and 3 to select the desired tracks.

5 Press ▶.

▶ ▶