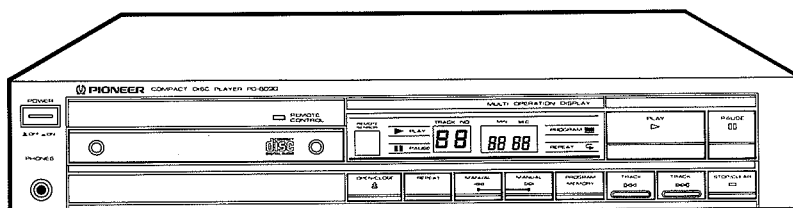


Operating Instructions

COMPACT DISC PLAYER

PD-6030

COMPACT
disc
DIGITAL AUDIO



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 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.

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



VOLTAGE SELECTOR
SELECTEUR DE TENSION

"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

 **PIONEER®**

SAFETY INSTRUCTIONS

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

RETAIN INSTRUCTIONS — The 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, paying 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, benzene, 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 Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- 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. For all other servicing, contact the nearest Pioneer authorized service center.

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 No. 70-1984, 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.

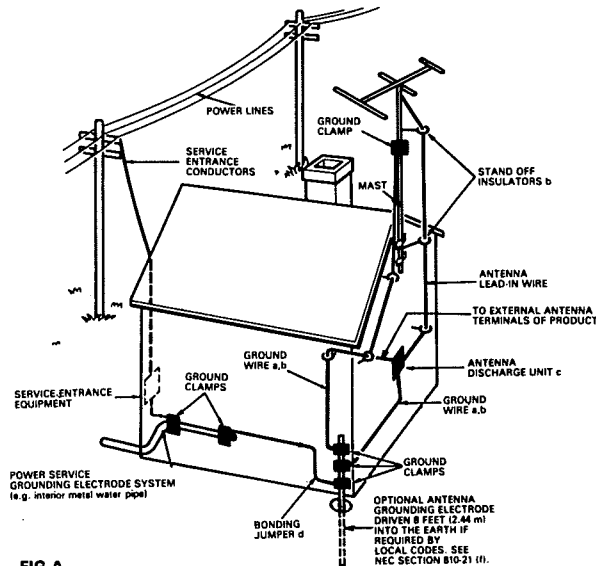


FIG. A

- Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) copper-clad steel, bronze wire, or larger as ground wire.
- Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- Mount antenna discharge unit as closely as possible to where lead-in enters house.
- Use jumper wire not smaller than No. 6 AWG (13.3 mm²) copper or equivalent when separate antenna-grounding electrode is used.

IMPORTANT 1



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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 of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off. Disconnect the wall plug when the equipment is not in (regular) use, e.g. when on vacation.

FOR USE IN THE UNITED KINGDOM

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

Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

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

Equipment sold in the U.K. is not supplied with a power plug.

CONTENTS

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[FOR EUROPEAN AND U.K. MODELS]

PIONEER COMPACT DISC PLAYER (PD-6030)
APPARATUS CONTAINS LASER OF HIGHER CLASS
THAN 1.

The following caution label appear on your player.

Location: rear of the player



[FOR U.S. MODEL]

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this component with respect to the receiver
- move this component away from the receiver
- plug this component into a different outlet so that component and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

FEATURES

Has convenient function ideal for tape dubbing etc.

■ **24 Step Random Programming**

You can program the player to play a selection of tracks in any desired order.

Hi fidelity playback with high performance pickup and linear servo system.

Individual one-touch selection of desired tune with 10 tune keys. (remote control unit)

Other features

■ **Repeat Playing of all tracks or programmed tracks.**

■ **Supplied with wireless remote control unit.**

■ **Large LED display can be used to display the elapsed time or the total playing time.**

■ **Three Speed Manual Search Function**

During play operation, searching is possible at 20 times normal speed (during the first two seconds 5 times normal speed), and during pause mode at 60 times normal speed. Fast forward and fast backward are possible.

■ **Headphone Jack**

■ **Subcode Connector for Future Expansion**

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.

Do not install the player in a location which is exposed to the direct rays of the sun, or near to stoves or radiators. Excessive heat can adversely affect the cabinet and internal components. Also, installation of the player in a damp or dusty environment, may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)

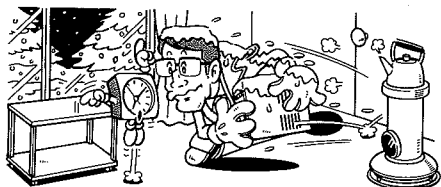
PRECAUTIONS REGARDING INSTALLATION

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 a case, make use of an outdoor antenna, or turn off power to the compact disc player.



CONDENSATION

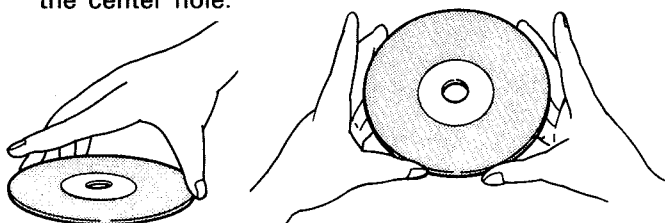
When the player is brought into a warm room from previously cold surroundings or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

**CARE OF DISCS**

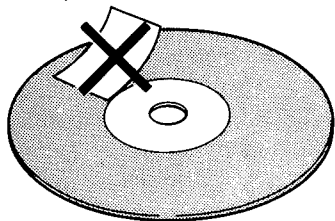
- With this player, use discs which display the mark shown below. (Optical audio digital discs.)



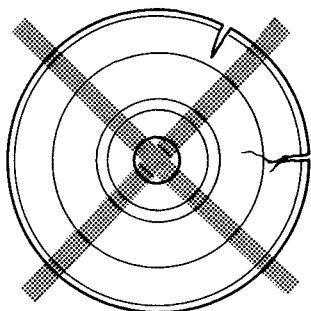
- When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hole.



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

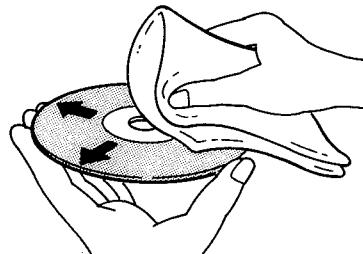


- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

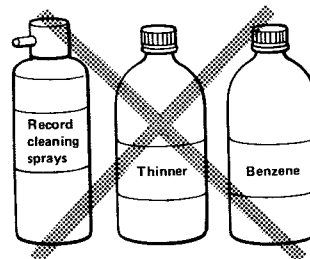
**CLEANING DISCS**

- 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 of anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.

**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 very hot.
- Always read and abide by the precautionary notes provided with each disc.



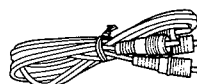
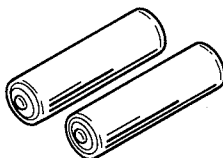
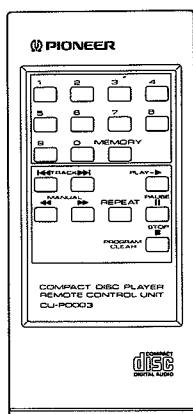
BEFORE OPERATING PLAYER

1. CONFIRM SUPPLIED ACCESSORIES

Remote control unit

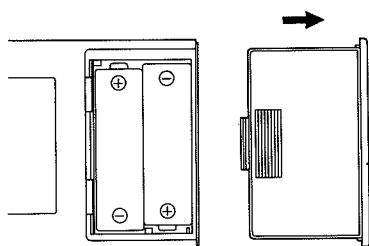
Size AA/R6 dry batteries x 2

Output cable



2. PUT BATTERIES INTO REMOTE CONTROL UNIT

1. Open the rear cover, and install batteries making sure that the $\oplus$ $\ominus$ polarity is correct.



2. Close the cover.

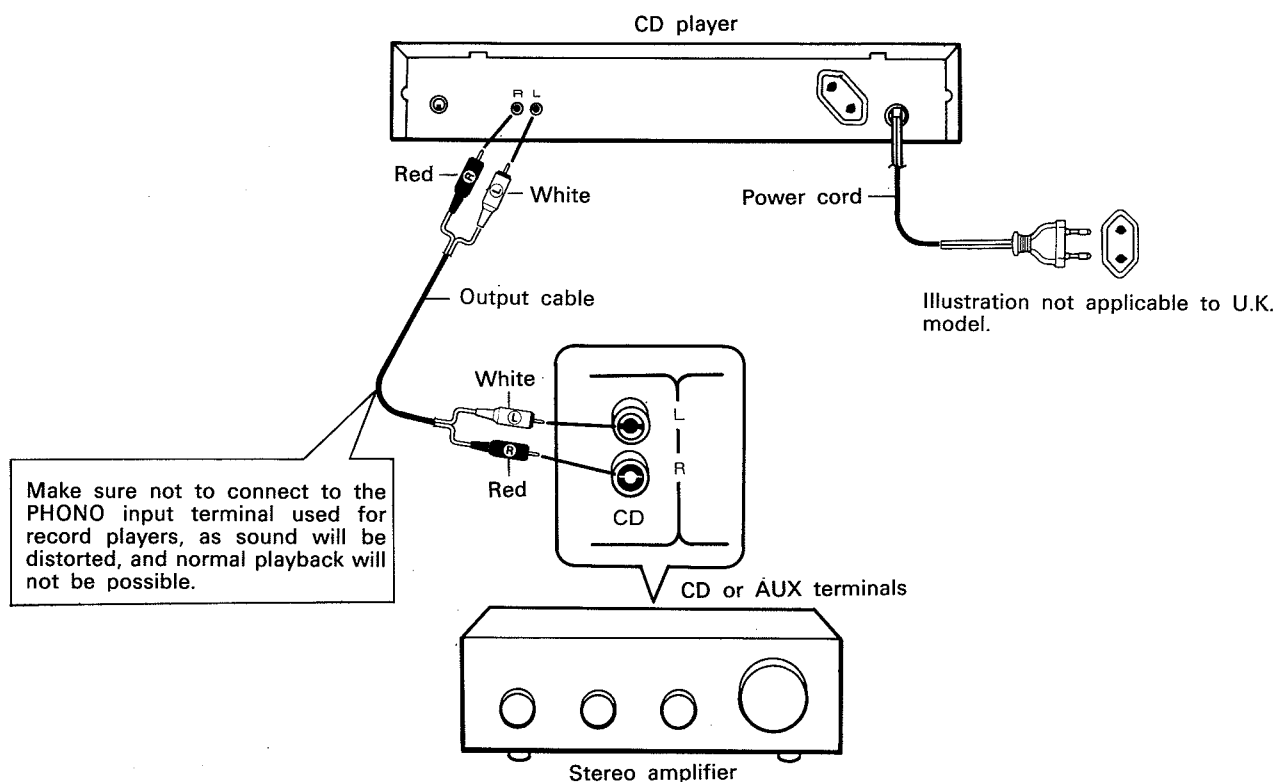
NOTE:

- If the remote control unit will not be used for a long time (1 month or more), please remove the batteries to avoid battery leakage. If fluid should ever leak from batteries, please wipe away the fluid and then install new batteries.
- Please do not put books etc. on top of the remote control unit. If keys are continuously depressed, the batteries will run down.
- If the operating range decreases, the batteries have probably run down. Please replace with new batteries.

Incorrect use of batteries may result in leakage of fluid, explosion of batteries and other dangers. Please pay particular attention to the following points.

- Please correctly install batteries so that the (+) and (-) battery polarity matches with the (+) and (-) markings inside the battery case.
- Do not use new batteries together with batteries which have already been used.
- The voltages of dry batteries may differ even though they are of the same size and shape. Please do not use different types of dry batteries together.
- Batteries may be either rechargeable or non-rechargeable. Before using batteries please read the cautions and notes printed on them.

CONNECTIONS



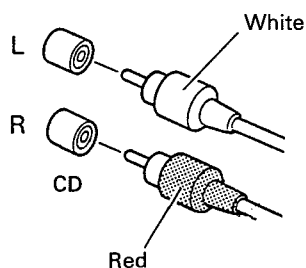
Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.

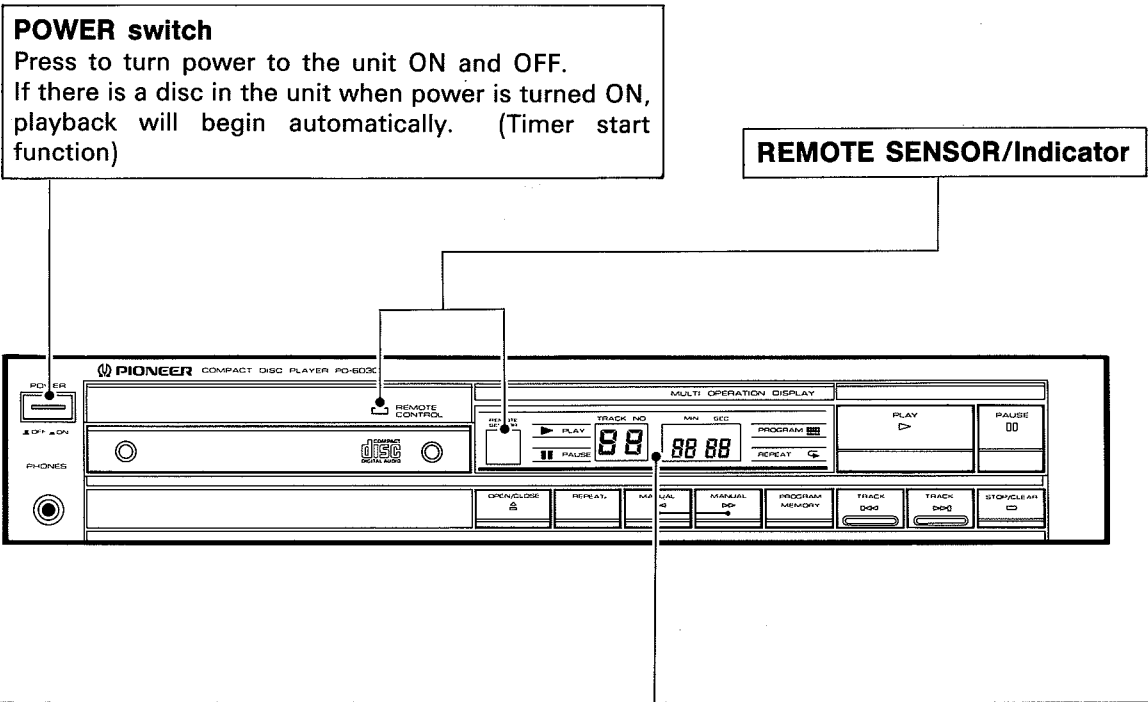
Connect the power cord

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.



NAMES AND USE OF PARTS

FRONT PANEL



Indicators		MIN	: Displays the playback time in minutes.
REPEAT	: Lights during repeat play.	SEC	: Displays the playback time in seconds.
PROGRAM	: Lights after programming (after program has been memorized).	PLAY	: Lights during playback.
TRACK NO.	: Indicates current track number, and track numbers within program.	PAUSE	: Lights during pause mode, when playback is temporarily interrupted.

OPEN/CLOSE key

Press when you wish to eject or load a disc. Each time the key is pressed, the tray is alternately pushed out or pulled in.

Disc Tray

This is where the disc is set. When power is switched ON and the OPEN/CLOSE key is pressed, the tray is ejected forward.

To insert the tray, press the OPEN/CLOSE key, or lightly push the tray in with your finger. During play operation, pressing the PLAY key causes the tray to be inserted automatically.

STOP/CLEAR Key

Press to stop playback. When pressed, the player goes into stop mode and all operations stop.

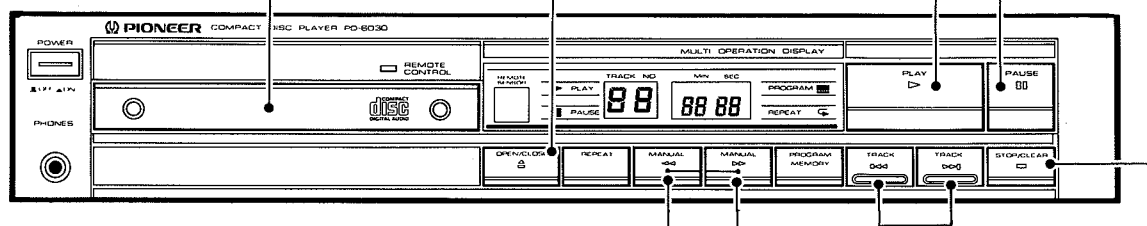
Press to clear a program. When pressed during stop mode, the program stored in memory is cleared.

PAUSE key

Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

PLAY key

Press to begin playback, and to cancel the pause mode.

**TRACK SEARCH keys**

When the player is in the normal play, programmed play or pause modes, these keys are pressed to search for a desired track. Pressing either key causes the player to advance to the next track, or return to the previous track.

[▶▶] : When pressed once, the disc playback advances to the beginning of the next track on the disc; when pressed continuously, the disc playback moves to the beginning of succeeding tracks on the disc. (During programmed playback, it moves to the beginning of the next programmed track.)

[◀◀] : When pressed once, the disc playback returns to the beginning of the currently playing track; when pressed continuously, the disc playback moves further in reverse to the beginning of previous tracks on the disc. (During programmed playback it returns to the beginning of the previously programmed track.)

MANUAL SEARCH Keys

When the player is in play or pause modes, these keys are pressed to perform fast forward or fast backward operations, to allow manual searching. These operations are only carried out during the time either key is pressed. If pressed for more than 2 seconds, the speed increases.

[▶▶] : Fast forward operation (If fast forward operation is performed to the end of the disc, "End" will be displayed and the player will enter pause mode.)

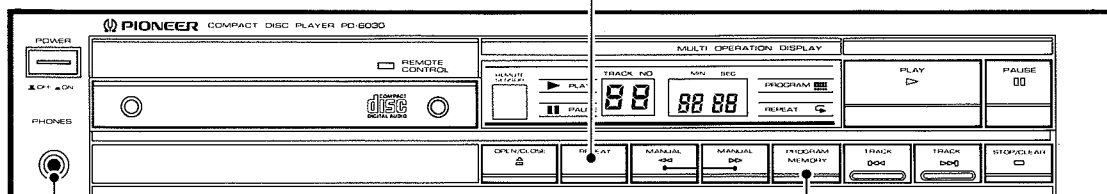
[◀◀] : Fast backward operation (If fast backward operation is performed to the beginning of the disc, the player will enter pause mode.) If these operations are performed during programmed play mode, the player will enter pause mode just before transferring to the next (or previous) track.

NAMES AND USE OF PARTS

REPEAT key

Press to perform repeat playback

- If pressed during normal playback mode, all tracks on the disc will be repeatedly played back.
- If pressed during programmed playback, the programmed tracks will be repeatedly played back in the programmed order.



PHONES (headphones) jack

When you wish to use headphones, insert the plug for the headphones into the headphone jack.

PROGRAM key (PROGRAM MEMORY)

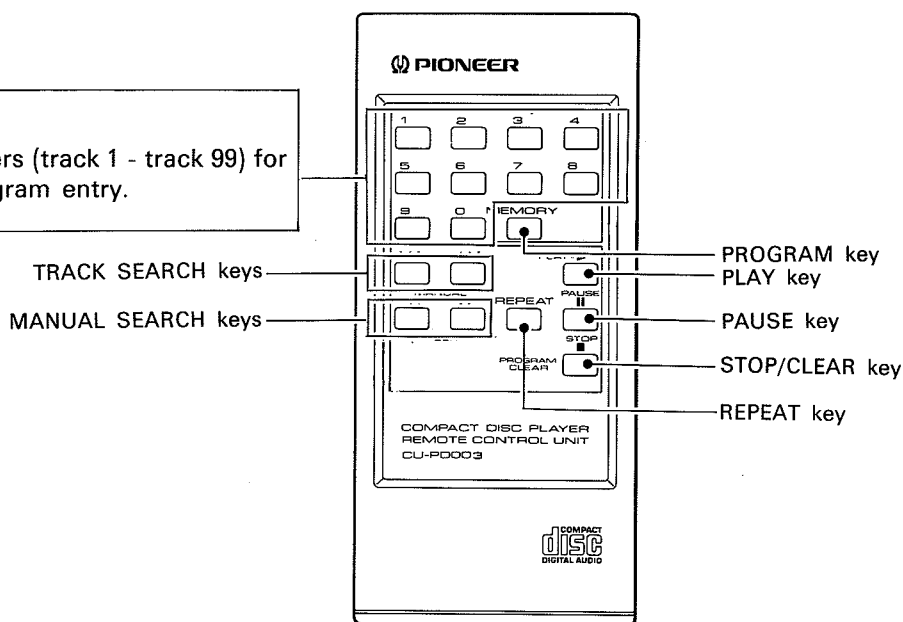
Used to program a sequence of tracks.

- Press this key after selecting a desired track with the TRACK SEARCH keys, or TRACK NO. keys on the remote control unit. Tracks will be added to the program in the order in which they are selected.

REMOTE CONTROL UNIT

TRACK NO. keys (1 to 0)

- Use to specify track numbers (track 1 - track 99) for selection of tracks or program entry.



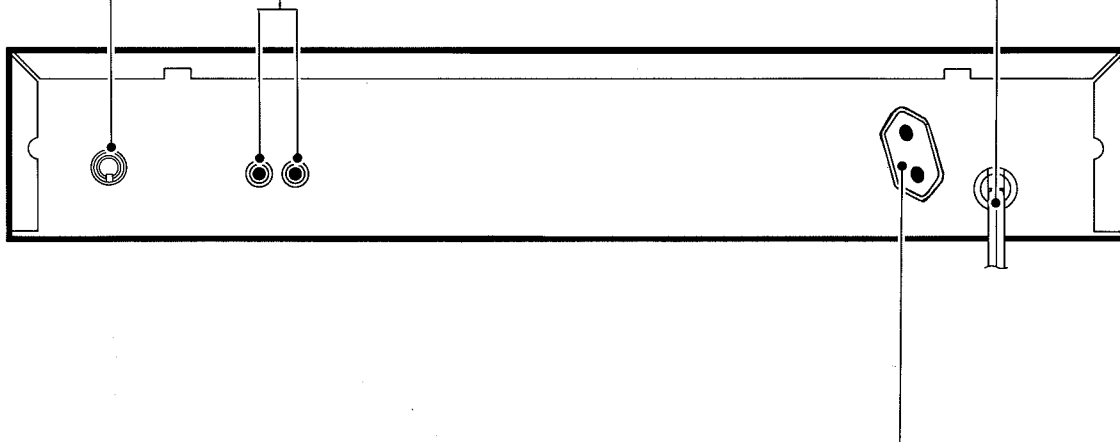
REAR PANEL

SUBCODE OUT terminal

This terminal will be used for outputting subcodes (data recordable on compact discs together with audio signals) in future audio applications.

AUDIO OUT terminal

Power cord



AC OUTLET (UNSWITCHED, MAX. 100 W)

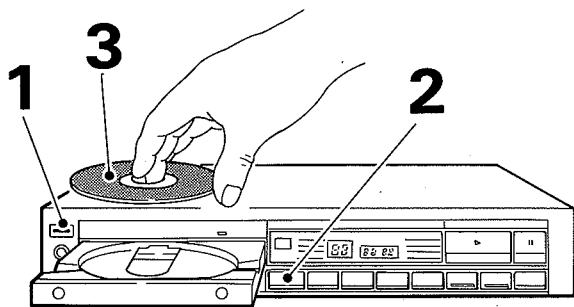
- Power is continuously supplied to the component connected here, regardless of the setting of the power switch (ON/OFF). Turn the connected component ON/OFF by using its own power switch.
- Make sure that the power consumption of the connected component does not exceed 100 W.

NOTE:

- Never connect any appliance (toaster, hair dryer, etc.) whose power consumption exceeds the wattage (W) noted on the outlet panel. Damage to components or fire hazards could result.
- Even if a television set has a rated power consumption less than the permissible outlet wattage, when its power is first turned on it may have a temporary electrical current flow that exceeds the permissible value. For this reason, do not connect television sets or monitors to this outlet.
- Australian model is not provided with this outlet.

OPERATION

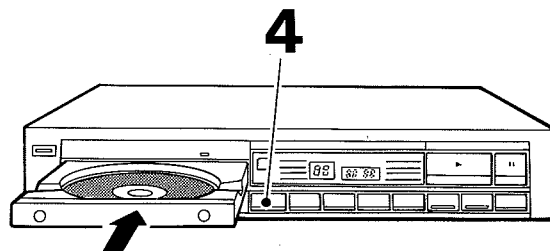
OPERATION PROCEDURES BEFORE PLAYBACK (Inserting a disc)



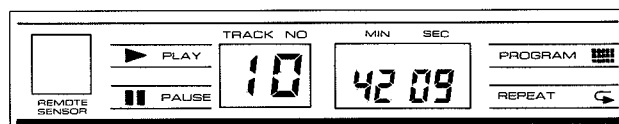
1. Push in the POWER switch and switch ON power.
2. Press the OPEN/CLOSE key.
The disc tray will be ejected forward.
3. Place a disc on the disc tray.

NOTE:

- Make sure to place the disc on the tray with the label side upward.
- Hold the disc so that you do not touch the playing side (the iridescent side) with your hands or fingers.

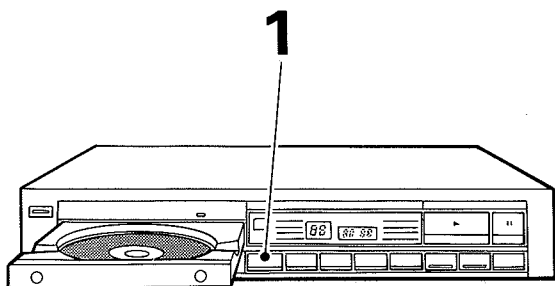


4. Push the disc tray into the player.
Press the OPEN/CLOSE key, or gently push the disc tray in with your fingers.
After insertion of the disc tray, the total number of tracks on the disc and the total playing time will be displayed.

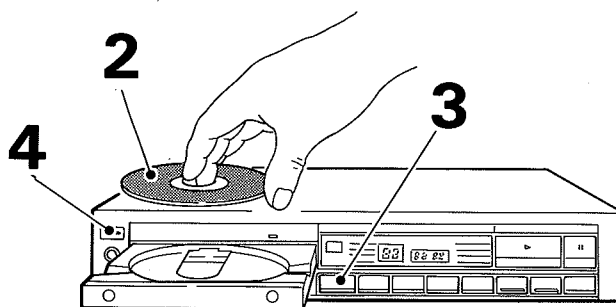


5. Set your stereo amplifier controls for compact disc playback.
(For details refer to the operating instructions of your stereo amplifier.)

PROCEDURES AFTER PLAYBACK (Removal of disc)



1. Press the OPEN/CLOSE key and eject the disc tray.
2. Remove the disc and put it into its case.
Be careful not to touch the playing side.
3. Press the OPEN/CLOSE key, or gently push the disc tray in with your fingers.

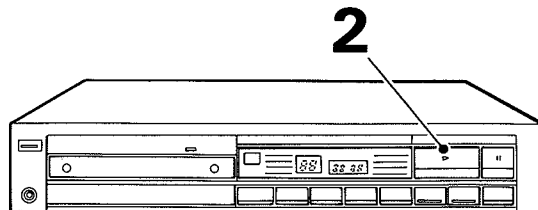


4. Press the POWER switch so as to turn OFF power.

- The key operations explained here, may be carried out using either the keys on player or on the remote control unit.

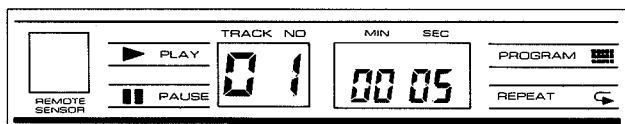
OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks, from the first track to the last track.



1. Carry out "PROCEDURES BEFORE PLAYBACK", and set a disc.
2. Press the **PLAY** key.
The **PLAY** indicator will light, and playback will begin.

Shows the elapse time of current playback, and the track number.



3. Adjust sound volume and tone with the stereo amplifier controls.

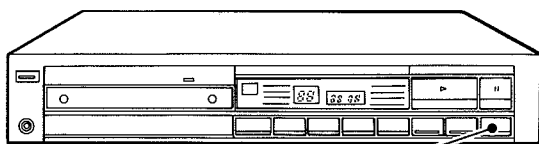
When the last track finishes playing, the player enters stop mode. All operations stop and the player stops at the position of the first track number and displays "01".

4. After finishing playback, carry out the "PROCEDURES AFTER PLAYBACK".

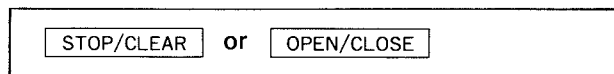
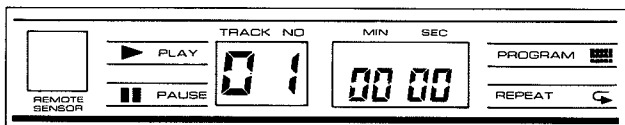
Operation example

- To start playback
POWER - OPEN / CLOSE - Set disc - PLAY
- To stop playback
OPEN / CLOSE - Remove disc - OPEN / CLOSE - POWER

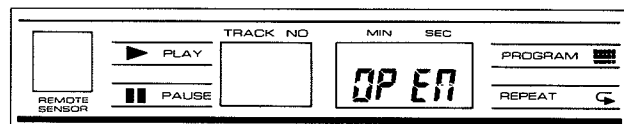
TO STOP PLAYBACK



1. Press the **STOP/CLEAR** key or the **OPEN/CLOSE** key.
 - When the **STOP/CLEAR** key is pressed, the player enters stop mode. All operations stop, and the player is set to the position of the first track.

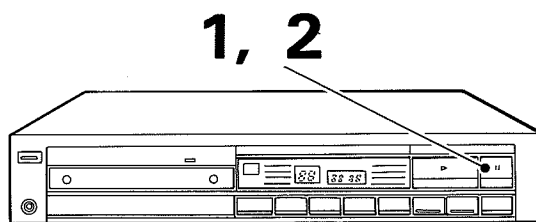


- When the **OPEN/CLOSE** key is pressed, the disc tray is ejected.



OPERATION

PAUSE OPERATION



1. Press the PAUSE key

The PAUSE indicator will light, and the player will pause at the position at which it was playing.

2. To resume playback, press the PAUSE key again, or the PLAY key.

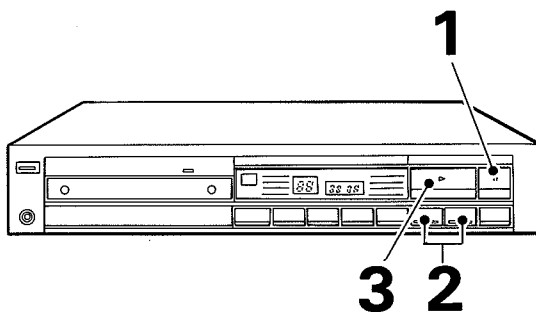
- To temporarily stop playback

PAUSE

- To resume playback

PAUSE or PLAY

TO PAUSE AT THE START OF A TRACK



[During stop mode]

1. Press the PAUSE key.
2. Select a track using the TRACK SEARCH keys, or the TRACK NO. keys on the remote control unit.
3. Press the PLAY key.

[During playback]

1. Press the PAUSE key.
2. Select a track using the TRACK SEARCH keys, or the TRACK NO. keys on the remote control unit.

[To restart playback]

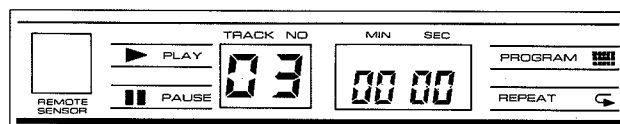
To start playback press the PAUSE key or the PLAY key.

Operation example

- To pause at the start of the 3rd track:

PAUSE → Select the 3rd track by pressing the

or key → PLAY

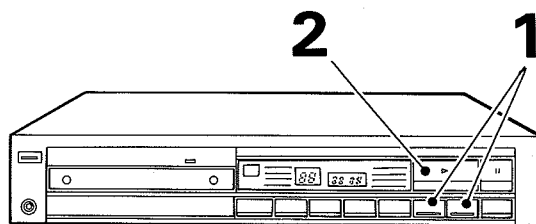


- To start playback

PAUSE or PLAY

TO START PLAYING BACK FROM A DESIRED TRACK (DIRECT TRACK SEARCH OPERATION)

Playback will begin from the track selected by specifying the track number, and will continue to the last track on the disc.



1. Stop mode select the desired track using the **TRACK SEARCH** keys, or the **TRACK NO.** keys on the remote control unit.
2. Press the **PLAY** key to begin playback.

NOTE:

- When a track number of a track not on the disc is selected, playback starts from the first track.
- Performing these operations during programmed playback, causes the program to be cleared.
- Playback from a selected track is not possible when memorizing a program.

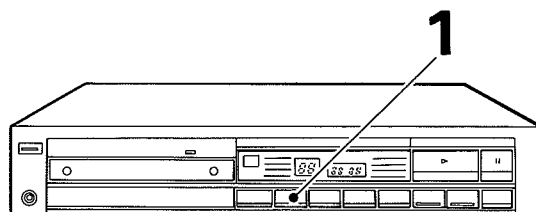
Operation example

- To play back the 3rd track:
Select the 3rd track by pressing the or key **PLAY**
- To play back the 12th track using the remote control unit:
1 2 - PLAY

OPERATIONS FOR REPEAT PLAYBACK

- During normal playback, all tracks on the disc will be played back repeatedly (all track repeat).

- During programmed playback, the tracks programmed will be played back repeatedly in the order programmed (programmed repeat).



1. With the player in the play or stop mode, press the REPEAT key.

The REPEAT indicator will light

2. When the last track has been played back, playback will begin again from the first track.

Playback will be repeated until repeat playback is cancelled.

REPEAT → PLAY or PLAY → REPEAT

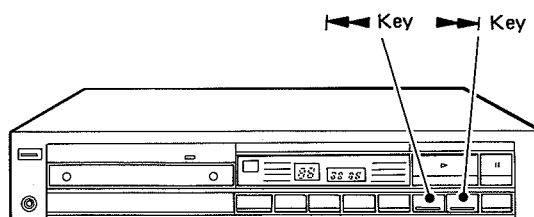
■ TO CANCEL THE REPEAT MODE

- Press the REPEAT key once again. The REPEAT indicator will go out, and the player will revert to the normal (or programmed) playback mode.
- Press the STOP/CLEAR key or OPEN/CLOSE key. Playback will stop and the repeat mode will be cancelled simultaneously.

REPEAT or STOP/CLEAR or OPEN/CLOSE

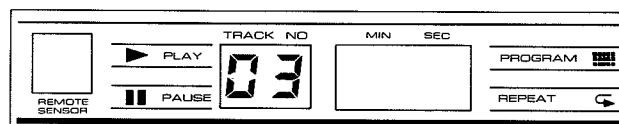
TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed play, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process.



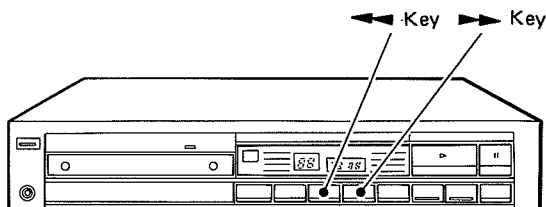
- When the [▶▶] key is pressed once, the playback advances to the beginning of the next track. When pressed continuously, playback is advanced to further tracks. (During programmed play, playback advances to the beginning of the next programmed track.)
- When the [◀◀] key is pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback returns to earlier tracks on the disc. (During programmed playback, playback returns to earlier programmed tracks.)

During search operation, the number of the track being searched for will be displayed on the indicator. This allows you to monitor the progress of the search operation.



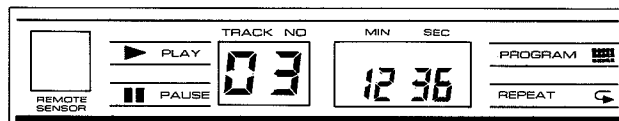
FAST FORWARD AND FAST BACKWARD (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find a desired track. Listen to the sound from your speakers or headphones connected to your amplifier while performing the search (during playback mode only). When the key is released the player returns to its original mode (playback or pause).



- When the [▶▶] key is pressed, the player will advance quickly through the disc. When held depressed, the speed will increase, and if the end of the disc is reached, the player will enter the pause mode. (The indicator will display "End".)
- When the [◀◀] key is pressed, the player will reverse quickly through the disc. When held depressed, the speed will increase, and if the beginning of the disc is reached, the player will enter the pause mode.

During search operation the elapsed time will be displayed. Watch this display during search operation.



Fast forward and fast backward speeds compared with normal playback speed.

- During playback:
 - Within 2 seconds of pressing key
 - 5 x playback speed
 - 2 seconds or more after pressing key
 - 20 x playback speed
(Sound produced)
- During pause mode
 - 60 x playback speed
(No sound produced)

NOTE:

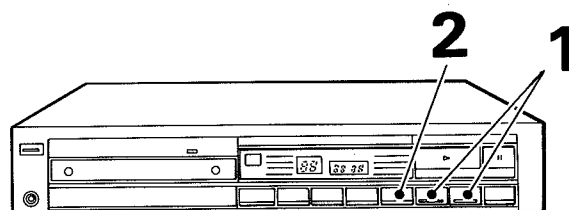
- During programmed playback, the player can advance or reverse quickly only through the currently playing track. Also the player will enter the pause mode just before the next (or previous) track is reached. To resume playback, press the PLAY key.
- When the MANUAL SEARCH key is pressed more than once, playback may start again, or the player may advance to the next program step.

TO PLAY BACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

- With this function, you can play back the tracks on a disc in any desired order.

- You can select track numbers from 1 to 99, and program a playback sequence consisting of up to 24 steps.

Memorizing a program



1. During playback select the desired track using the **TRACK SEARCH** keys, or the **TRACK NO.** keys on the remote control unit.
2. Press the **PROGRAM** key
3. Repeat steps (1) and (2)

Repeat the above operations for each track you want to be memorized, in the order in which you want the tracks to be played. The player can playback a sequence of up to 24 steps.

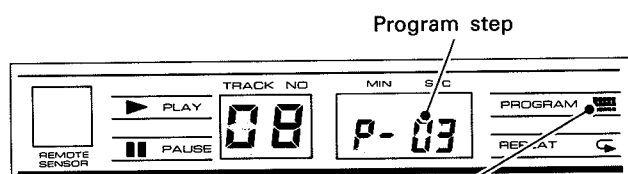
Each time you program a track, the program step and number of the programmed track are displayed on the indicator.

Operation example

To playback track 5, track 3 and track 8:

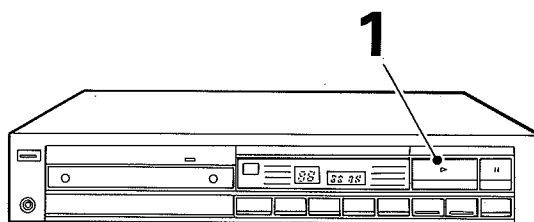
- Write in the program

Step	Key operations	Indicator display
01	Press 4 times or PROGRAM	TRACK 05 TRACK 05 MIN P- : 01
02	Press 2 times or PROGRAM	TRACK 03 TRACK 03 MIN P- : 02
03	Press 5 times or PROGRAM	TRACK 08 TRACK 08 MIN P- : 03



The **PROGRAM** indicator lights.

Playback



1. Press the **PLAY** key to begin programmed playback.

2. **Playback ends.**

When the last programmed track finishes playing, the player enters stop mode. (All operations stop, and the player stops at the position of the first programmed track.)

■ When the repeat playback function is on:

When the last programmed track finishes playing, the player returns to the first programmed track, and repeats programmed playback.

Repeat playback will continue in this way until the **REPEAT** key is pressed once again, or the **STOP/CLEAR** key is pressed.

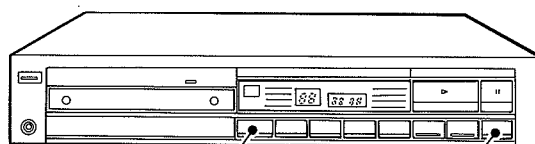
Operation example

● To start playback:

PLAY

Plays 5th, 3rd and 8th programs in that order.

Cancellation of programmed playback and clearing a program:



OPEN/CLOSE key

STOP/CLEAR key

- Pressing the **OPEN/CLOSE** key will cause playback to stop and the program stored in memory will also be cleared.
- Pressing the **STOP/CLEAR** key will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the **STOP/CLEAR** key once more.

● To stop playback

OPEN/CLOSE or **STOP/CLEAR**

● To clear a program

STOP/CLEAR - **STOP/CLEAR**

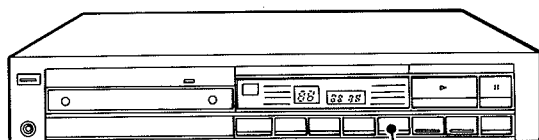
(Cancellation of
playback)

(Clearing a program)

OPERATION

TO CHANGE TO PROGRAMMED PLAYBACK DURING PLAYBACK (ADD-ON PROGRAM)

When a program is memorized during normal playback, the player automatically changes to programmed playback after finishing playing the current track. However, if the **PLAY** key is pressed during playback, the player immediately changes to programmed playback.



PROGRAM key

Operation example

During playback of track 5, program track 3 and track 8, and change to programmed playback.

- To memorize the program:

Step	Key operations	Indicator display
01	[3] PROGRAM	TRACK 03 MIN SEC
		TRACK 03 MIN P-:01
		After 3.5 sec
02	[8] PROGRAM	TRACK 05 MIN SEC
		TRACK 05 MIN P-:38
		TRACK 08 MIN SEC
		TRACK 08 MIN P-:02

- To start programmed playback:

After track 5 finishes playing, programmed playback will begin automatically, or you may press the

PLAY key.

TIMER START

If a disc is set on the disc tray beforehand, then, when power is turned ON, the player will automatically start playing from track 1.

If use is made of an audio timer, the player can be made to start playing from a specified time.

NOTE:

- When using an audio timer, leave the **POWER** switch of the player turned ON.
- If you operate the player by pressing any of the function keys before timer start, timer start will not occur.

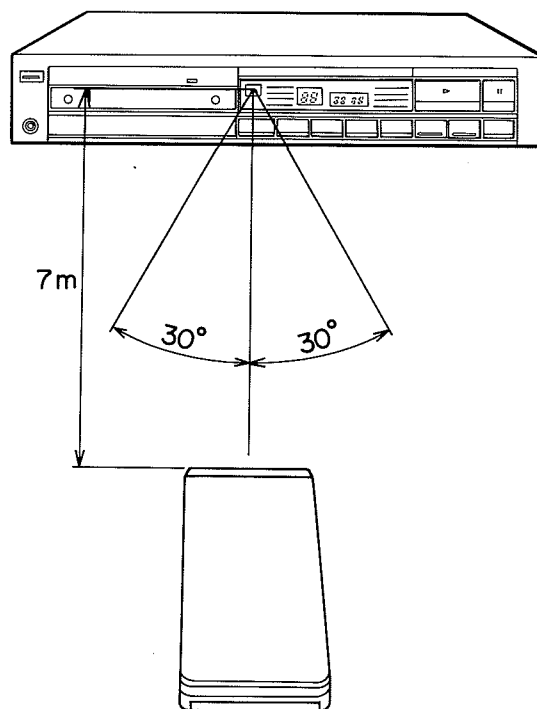
CAUTIONS REGARDING USE OF REMOTE CONTROL UNIT

If use is made of the supplied remote control unit, operation from a distance is possible.

To use the remote control unit, aim it at the remote sensor.

The remote control unit can operate over a range of about 7 m, within angles of 30 degrees left and right.

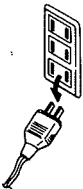
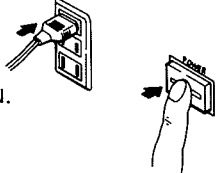
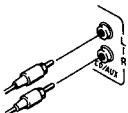
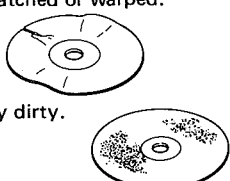
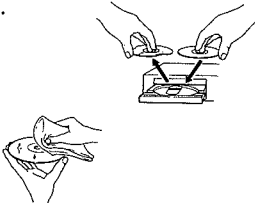
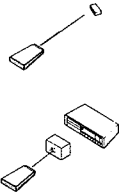
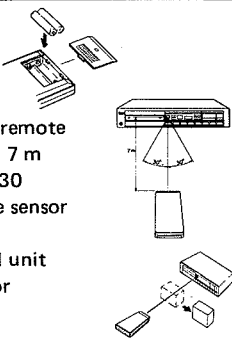
- Even when the remote control unit is operated within the specified operating range, operation may not be successful if there are obstacles in the way, or if the angle is too great.
- Using the equipment near a device which emits infrared rays, or using another remote control unit which emits infrared rays, may result in misoperation. Conversely, use of the remote control unit when another device controlled by means of infrared rays is being used, may cause misoperation of that device.
- The life of the batteries used in the remote control unit will vary greatly depending on operating conditions, however when they begin to run down, the operating range will be reduced. When commands fail to be accepted when keys on the remote control unit are pressed, or when the operating range is greatly reduced, please replace the batteries.



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
Disc tray is not expelled when OPEN/CLOSE switch is pressed.	- Power plug is disconnected from outlet. - POWER switch is OFF. 	- Connect plug to stereo amplifier or wall outlet. - Press POWER switch ON. 
When playback is started, it stops immediately. Pauses or stops playback	- Disc is loaded upside down. - Contaminated disc, etc. 	- Load the disc correctly with the label side UP. - Press the PLAY or PAUSE key. 
No sound.	- Output cords are connected incorrectly or loosely. - Incorrect operation of stereo amplifier. - Player is in pause mode.	- Connect properly. - Check the settings of stereo amplifier switches and sound volume controls. - Press the PLAY key. 
Sound is distorted, noise is output.	- Incorrect connections. - Pin plugs or amplifier input terminals are dirty. - Interference is being picked up from a TV set.	- Connect to amplifier's CD or AUX terminals etc. Do not connect to PHONO input 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 is badly scratched or warped. - Disc is extremely dirty. 	- Replace the disc. - Clean disc. 
Cannot operate player with remote control unit.	- Batteries have run down. - Remote control unit is too far away from player, or angle is wrong. - There is an obstacle between remote control unit and player. 	- Replace batteries. - The operating range of the remote control unit, is up to about 7 m from, and within angles of 30 degrees left and right of the sensor window on the player. - Operate the remote control unit from a different position, or remove the obstacle. 

SPECIFICATIONS

1. General

Type.....Compact disc digital audio system
Usable discsCompact Disc
Signal format.....Sampling frequency: 44.1 kHz
Quantized bit number: 16 bit linear

Power requirements

European models.....AC 220 V, 50/60 Hz
U.K., Australian models.....AC 240 V, 50/60 Hz
U.S., Canadian models.....AC 120 V, 60 Hz
Other models.....AC 110/120/220/240 V
(switchable), 50/60 Hz

Power consumption

European, U.K., Australian,
U.S., Canadian models18 W
Other models12 W

Operating temperature.....+5°C - +35°C

Weight.....4.2 kg (9 lb, 5 oz)

External dimensions420(W) x 290(D) x 80(H) mm
16-1/2 (W) x 11-7/16 (D) x 3-1/4 (H) in

2. Audio section

Frequency response4 Hz - 20 kHz
(± 0.5 dB)

S/N.....97 dB or more (EIAJ)

Dynamic range.....95 dB or more (EIAJ)

Channel separation92 dB or more (EIAJ)

Total harmonic distortion.....0.004 % or less (EIAJ)

Output voltage2.0 V $\pm$ 0.5 V (EIAJ)

Wow and flutterLimit of measurement
($\pm 0.001\%$ W.PEAK) or less (EIAJ)

Number of channels.....2 channels (stereo)

3. Functions

- Play
- Pause
- Manual search
- Programmed playback
- Track search
- Programmed repeat
- Direct track search
- All track repeat
- Add-on program
- Timer start

The above functions can be operated with the remote control unit.

4. Accessories

- Remote control unit1
- Size AA/R6 dry batteries2
- Output cable1
- Operating instructions1

NOTE:

The specifications and design of this product are subject to change without notice, due to improvements.

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