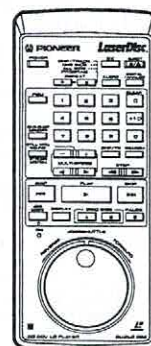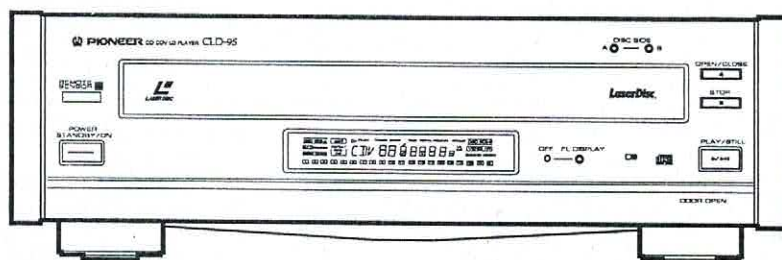# Operating Instructions

CD CDV LD PLAYER
CLD-95

LaserDisc
NTSC

COMPACT disc DIGITAL AUDIO

LASER DISC

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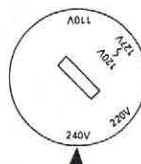
ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

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 planyer'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 to set the player to the power voltage of your area.

Set the selector so that arrow points power voltage of your area (Figure shows arrow pointing to 240 volts.)

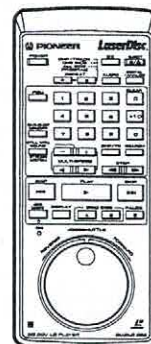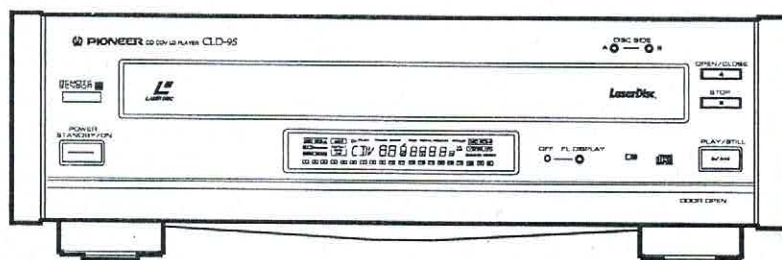## PIONEER
The Art of Entertainment

Operating Instructions

CD CDV LD PLAYER
CLD-95

LaserDisc
NTSC

COMPACT disc DIGITAL AUDIO

LASER DISC

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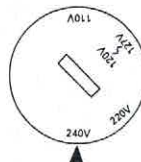
ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

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.
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Set the selector so that arrow points power voltage of your area (Figure shows arrow pointing to 240 volts.)

PIONEER
The Art of Entertainment

IMPORTANT

⚡ (lightning flash symbol in triangle)

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

⚠ (exclamation point symbol in triangle)

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:
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 WARNINGS — All warnings on the appliance and in the operating instructions should be adhered to.

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

CLEANING — Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

ATTACHMENTS — Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

WATER AND MOISTURE — Do not use this video product near water — for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

ACCESSORIES — Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

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.

VENTILATION — Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. They should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

POWER SOURCES — This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

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 — This video 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.

LIGHTNING — For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

POWER LINES — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING — Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

OBJECT AND LIQUID ENTRY — Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product

SERVICING — Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

DAMAGE REQUIRING SERVICE
Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
a. When the power-supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the video product.
c. If the video product has been exposed to rain or water.
d. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
e. If the video product has been dropped or the cabinet has been damaged.
f. When the video product exhibits a distinct change in performance — this indicates a need for service.

REPLACEMENT PARTS — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

SAFETY CHECK — Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

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.
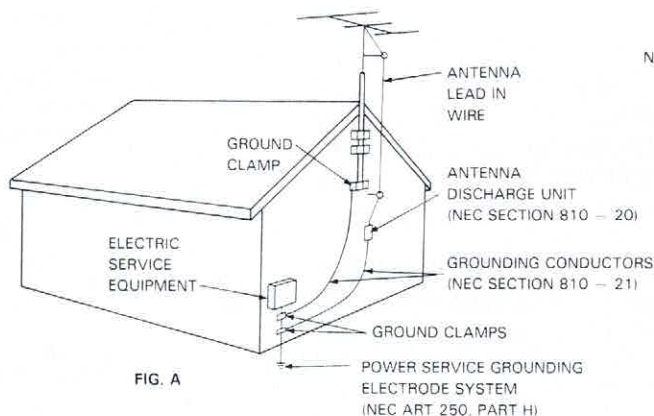See Fig. A.

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

FIG. A

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

CONTENTS

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 equipment with respect to the receiver.
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment 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.

■ This player may be used with LaserVision Discs, Compact Dics, and Compact Discs with Video bearing the following symbols:

(LaserDisc)　　**(LaserVision Disc)***

This is the unified symbol mark of LaserVision videodisc

* LaserVision players and discs which bear this symbol and use the same television system, are mutually compatible.

(Compact Disc)　　**(**CD VIDEO SYSTEM)

(3-inch Compact Disc)　　** A Digital Sound with Multi Audio Disc (CD VIDEO CDV) are referred to as CD Video discs. CD Video discs are recorded with subcodes, which are the non-audio recordings of TOC date such as track numbers, index numbers. etc.

Only one disc can be loaded at any one time. Loading a LaserDisc, a Compact Disc, a 3" Compact Disc or a Compact Disc with Video on top of one another may result in breakdown, or in scratching of the discs. Please only load one disc at a time.

This player is to be used exclusively with the NTSC color system. Please use NTSC LaserVision Disc or NTSC Compact Disc with Video only. PAL and SECAM system discs cannot be used with this player.

PRECAUTIONS

If it becomes necessary to transport or ship this unit in the future, be sure to first remove the disc (if present), retract the disc table to its closed position, turn the power off, and, after the "OFF" indicator stops blinking on the display, disconnect the power cord.

INSTALLING THE PLAYER
- Place the player on a stable platform next to the television and stereo system to be used with the player.
- When using the player with a stereo system, your speakers should be placed away from your television (or TV monitor).
- Do not place heavy objects such as a television or TV monitor on top of the player.
- Do not place the player on top of your TV set or TV monitor. Also, keep the player away from devices such as cassette decks which are sensitive to magnetic fields.

When FM or AM stations are being received, signal noise may be generated if the player is turned on. Turn off the player when not in use. Also, if there is signal noise when receiving radio stations with an indoor antenna, adjust the position or direction of the antenna.

INSTALL THE PLAYER IN A WELL VENTILATED PLACE AWAY FROM HEAT AND HUMIDITY
Do not install the player in a location subject to direct sunlight, or near a stove or radiator etc. This could adversely affect the cabinet and internal components. Also avoid installing the player in a humid or dusty location. This could result in a malfunction or accident. Do not install near a cookstove where the player could be affected by smoke, steam, or heat.

AVOID SOURCES OF HEAT
Do not put the player on sources of heat, such as an amplifier. When installing with audio components on a rack, avoid components that generate heat, by placing the player below such components where there is adequate ventilation and not much dust. Avoid placing the player on surfaces such as shaggy carpets, beds, and sofas which may block ventilation under the player and cause damage.

CAUTIONS FOR AUTOMATIC LOADING OPERATIONS
Since this player has an automatic loading construction, use the button on the player or the remote control for opening and closing of the disc table. To avoid damage, be careful not to apply any force to the moving disc table.

STRIPE PATTERNS APPEARING ON A TV PROGRAM
Stripe patterns may appear during a TV program if the player unit is turned on, depending on the quality of reception of the TV station. This is neither a malfunction of the television nor the player. If stripes appear while watching the TV, or when watching the TV for long periods of time, turn the player off.

CONDENSATION
Moisture will form in the operating section of the player if the player is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, player's performance will be impaired.
To prevent this, let the player stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

The same, symptoms of condensation may be caused during summer, if the player is exposed to the breeze from an air conditioner. In such cases change the location of the player.

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 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.

CLEANING CARE

Use a soft, dry cloth for cleaning. For stubborn dirt, soak the cloth in a weak detergent solution; wring well first and wipe. Use a dry cloth to wipe it dry. Do not use any volatile agents such as benzine or paint thinner, as it may damage the surface of the player.

Abnormal functioning of this unit may be caused by lightning, 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.

FEATURES AND FUNCTIONS OF THE CLD-95

LD (LaserVision Disc) Playback Functions

Alpha-Turn System — Two-Side Playback
With this function, both sides of a two-sided LD can be played consecutively, eliminating the need to turn the disc over when the first side is completed.

Three Types of A Side ← → B Side Continuous Playback Programs
Through the use of the Alpha-Turn system, programs which go from side A to side B or from side B to side A can be freely created.
With the Chapter Program function, up to 24 chapters can be programmed for playback in any desired sequence. With the Picture Window Program function, you can program the unit to play any section on the disc between two freely selected points. With the One-Shot Program function, you can designate up to four different frames and have them played back sequentially in still-frame format.

Video Noise Reduction System
With this system, you can obtain clear picture even when playing a source which contains video noise in an old movie, etc.

Digital Memory Function
By employing a digital TBC (Time Base Corrector) which has a wide-range compensation circuit and theoretically realizes the picture without signal loss in the Jitter compensation circuit, CLD-95 reproduces high quality picture. Also, the built-in 8-bit digital memory circuit allows you to enjoy various trick play with high quality image even when playing a CLV disc.

Repeat Playback
Eight repeat modes are available: (1) Memory Repeat, which allows you to designate the point you wish to return to, (2) 1-Chapter Repeat, which allows you to continuously repeat a specified chapter, (3) One Side Repeat, which allows you to continuously repeat a single side of the disc, (4) Two Side Repeat, which allows you to continuously repeat both sides of the disc, (5) Section Repeat, which allows you to repeat any section between two designated points, (6) Program Repeat, which allows you to repeat a program, (7) Random Repeat, which allows you to repeat LD with TOC in random order, and (8) Program Random Repeat, which allows you to repeat a program in random order.

CD (Compact Disc) Playback Functions

Program Playback
Up to 24 tracks can be programmed for playback in any desired sequence.

Random Playback (only discs with TOC)
All chapters of one side of a disc can be played in random order.

Auto Program Editing
After you designate the length of the tape to be used for recording, the player automatically selects and programs the tracks which can be played within the designated recording time.

Repeat Playback
Seven repeat modes are available: (1) Memory Repeat, which allows you to designate the point you wish to return to, (2) 1-Track Repeat, which allows you to continuously repeat a specified track, (3) All-Track Repeat, which allows you to continuously repeat the entire disc, (4) Section Repeat, which allows you to repeat any section between two designated points, (5) Program Repeat, which allows you to repeat program, (6) Random Repeat, which allows you to repeat random playback, and (7) Program Random Repeat, which allows you to repeat a program in random order.

CDV (Compact Disc with Video) Playback Functions

* The video part (the section of the disc containing both video and audio) is played first.

Video Part (video and audio):
The same functions available for LD (CLV) playback can be used.

Audio Part (audio only):
The same functions available for CD playback can be used.

Other Features

One-Shot Memory Function
This function allows you to store a scene (still frame) in memory so that you can call up and view the stored scene at any time, even after you change discs.

Last Memory Function
With this function, if you turn the power switch off during playback of an LD, a playback position slightly ahead of the last frame to be played is stored in memory (last memory). When the power is turned back on, playback begins from the memorized position.

Auto Loading and Automatic Disc Discrimination Functions
This unit has a built-in motor-driven auto loading mechanism which automatically opens and closes the disc table and makes disc loading easy.
Also, once a disc is placed on the table and the table is retracted into the player, the player automatically detects which type of disc (LD, CD, or CDV) is loaded.

8 Times Oversampling (8fs) Digital Filter and Twin D/A Converters for Excellent Sound Quality
The CLD-95 employs an 8 times oversampling digital filter in its digital audio filter circuit, and employs separate left and right 20-bit D/A converters to provide excellent sound quality with superior separation characteristics.

S-VIDEO Output
This unit is equipped with a built-in Y/C separation circuit which utilizes a high-performance comb filter. This enables the player to be connected to the S-VIDEO input jack of an AV television to attain even higher image quality.

Compatibility with Many Disc Types and Sizes
In addition to conventional LDs (12-inch, 8-inch), CDs (5-inch), and CDV discs (5-inch), the player can play thin-type 8-inch LDs and 3-inch CD singles without an adapter.
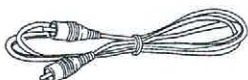
ACCESSORIES

When unpacking the player, first check to make sure that all of the accessories listed below are supplied.

- Remote control unit
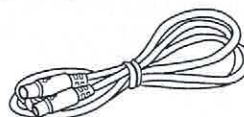- AAA-size dry cell batteries x 2
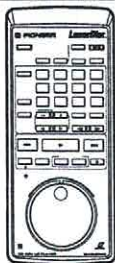
- Video cord (RCA plug x 1 ←→ RCA plug x 1) x 1

- Audio cord (RCA plug x 2 ←→ RCA plug x 2) x 1

- S video connecting cord (S video ←→ S video) x 1
  Use to connect the player to a color monitor with S VIDEO IN terminal.

- Operating instructions
- Warranty card

TYPES OF DISCS THAT CAN BE PLAYED WITH THIS UNIT

This unit is a CD VIDEO SYSTEM (*1) compatible player which can play CDs, CDV discs, and LDs.
The five disc types listed in the table below can be played with this unit.
*The marks shown in the left column are printed on the labels and jackets of the corresponding discs.

Mark	Disc	Size	Number of recorded sides	Audio recording system	Video recording system	Other	
COMPACT disc DIGITAL AUDIO	CD (Compact Disc) Single	3-inch	One side	Digital (20 minutes max.)		TOC (*2)	
	CD (Compact Disc)	5-inch	One side	Digital (74 minutes max.)		TOC	
CD VIDEO CDV	CDV (CD with Video)	5-inch	One side	Digital (20 minutes max./ 5 minutes max.)	CLV (*3) (5 minutes max.)	TOC	*
LASER DISC / CDV VIDEO SINGLE / VIDEO SINGLE DISC	CDV VIDEO SINGLE	5-inch	One side	Digital (20 minutes max./ 5 minutes max.)	CLV (*3) (5 minutes max.)	TOC	*
CD VIDEO LD	CD VIDEO LD (*4)	12-inch, 8-inch	Two sides, one side	Digital/analog	CAV (*5) CLV	TOC	**
LASER DISC LaserVision	LD (LASERDISC/ LaserVision Disc)	12-inch, 8-inch	Two sides, one side	Digital/analog (*6) or analog only	CAV, CLV		

* There are some discs marked with the ◢ mark instead of the ⊂⊃ mark.
** There are some discs without the ⊂⊃ᴸᴰ mark.

LD GLOSSARY

Chapter number
Chapter numbers are used to indicate the boundaries of the sections on a disc, similar to the "chapters" in a book. If chapter numbers are recorded on a disc, it is so indicated on the jacket of the disc, etc. Chapter numbers can be used to search for desired chapters (Chapter Search). There are some discs without chapter numbers.

Frame number
Frame numbers are the numbers assigned to each picture frame on a CAV (standard play) disc. Frame numbers can be used to search for desired frames (Frame Search).

Time number
Time numbers indicate the time elapsed from the beginning of a CLV (extended play) disc. Time numbers can be used to search for desired scenes (Time Search).

CDV/CD GLOSSARY

Track number
Track numbers indicate the boundaries of the sections, or "tracks", on a disc. Track numbers are assigned consistently throughout the audio part and video part of a CDV disc. Track numbers can be used to search for desired tracks (Track Search).

TOC (*2)
Every CD/CDV-type disc is provided with a section called TOC (Table Of Contents) at the beginning of the disc. The TOC section is just like the table of contents of a book, and contains information on the contents (number of tracks, playing time, etc.) of the disc.
● Some LD discs are also provided with a TOC section.

CD VIDEO SYSTEM (*1)

The CD VIDEO SYSTEM is the standard name for the "optical video disc with digital audio" system that encompasses both LDs and CDV discs.
The following mark is the standard mark for the CD VIDEO SYSTEM and is found on all players and discs which conform to the CD VIDEO SYSTEM format.
The following systems are included in the CD VIDEO SYSTEM:

CD VIDEO

- CDV (CD VIDEO CDV) discs
- LaserVision Discs (CD VIDEO LDs) containing digital sound with sub-codes
- Compatible players which can play CDs and CDV discs
- Compatible players which can play CDs, CDV discs, and LDs

CD VIDEO LDs (*4)
A CD VIDEO LD is an LD with digital audio which is encoded with sub-codes (data such as TOC and track number data, excluding audio and video signals).

LDs (LASERVISION DISCS)

With this unit, only play LaserVision discs which bear the following mark.

LASER DISC   or   LaserVision
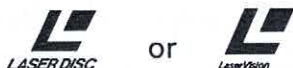
This mark is the standard mark for LaserVision video discs. Players and discs which bear the LaserVision mark are mutually compatible as long as they conform to the same television system.
Two types of standard LaserVision disc are available — standard play (CAV) (*5) discs and extended play (CLV) (*3) discs — which differ with respect to their signal recording systems.

CAV (*5) DISCS
The jackets and labels of these discs are marked with a "Standard Play Disc CAV" or "Standard Play" indication.

Frames are recorded on these discs at a ratio of one frame per disc revolution, and the discs are played at a fixed rotational speed (CAV = Constant Angular Velocity) of 1,800 rpm. This system is well suited to special playback modes such as still frame playback and multi-speed playback. One side of a CAV disc can have a playback time of up to 30 minutes (for a 12-inch disc), which is equivalent to 54,000 frames. Each frame — from frame 1 to frame 54,000 — is encoded with its own frame number.
* Playback time varies according to the contents of the disc.

CLV (*3) DISCS
The jackets and labels of these discs are marked with a "Extended Play Disc CLV" or "Extended Play" indication.

Signals are recorded on these discs at a constant linear velocity (CLV), and the rotational speed during playback varies from 1,800 rpm for the innermost track to 600 rpm for the outermost track. As a result, one side of a CLV disc can have a playback time of up to 60 minutes (for a 12-inch disc), which is twice as long as a standard play (CAV) disc. CLV discs are encoded with time numbers which correspond to the elapsed play time from the beginning of the disc.
* Playback time varies according to the contents of the disc.

LASERVISION DISCS WITH DIGITAL AUDIO (*6)
The jackets and labels of these discs bear the following mark.

digital AUDIO   or   digital SOUND

These are LaserVision discs which contain digital audio signals in addition to conventional analog audio signals. This feature allows the high image quality of LaserVision discs to be enjoyed together with the superior quality of digital sound. The digital and analog audio signals are recorded on the disc using different frequency bands.

LASERVISION MULTI AUDIO DISCS WITH DIGITAL AUDIO
The jackets and labels of these discs bear the following mark.

digital AUDIO MULTI AUDIO   or   digital SOUND MULTI AUDIO
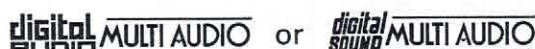
These are LaserVision discs in which the recorded digital and analog audio signals differ in content. This allows the user to enjoy two different audio soundtracks by switching between the digital and analog sound.

CDV (COMPACT DISC WITH VIDEO) DISCS

These are compact discs which also contain video signals. Of the total 25-minute playback time of a CDV disc, 20 minutes is encoded with conventional CD digital audio signals (the "audio part"). The remaining 5 minutes is encoded with both video and digital audio signals (the "video part").

CARE OF DISCS

How to hold discs

When loading or removing discs, try not to touch their playing surfaces.

Cleaning

Fingerprints or other dirt on the disc may affect sound and picture quality.

To clean your discs, use a soft clean cloth to wipe them. If necessary, moisten a soft cloth with diluted neutral detergent to remove heavy dirt of fingerprints.

Do not wipe in a circular direction

Gently wipe from the inside toward the outer edge.
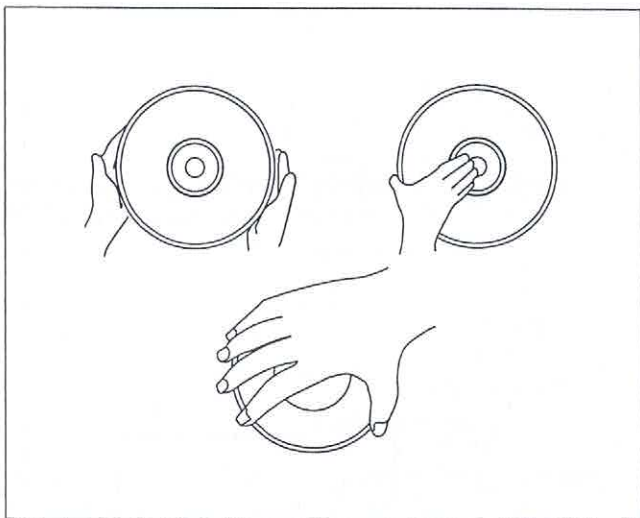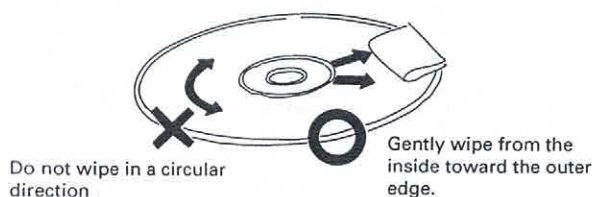
Discs may not be cleaned with record cleaning sprays, or static prevertion sperays, etc. Also do not use volatile liquids such as benzine, or thinner, etc.

NEVER PLAY CRACKED OR WARPED DISCS.

■ The disc revolves on the player at a high speed when it is played. Never play a cracked, scratched or warped disc. This may damage the player or cause it to malfunction.
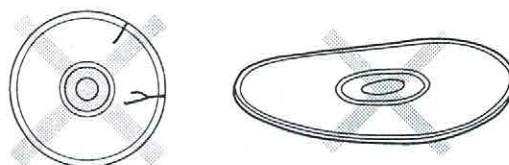
After using discs, store them upright

After playing a disc, always remove it from the player and return it to its jacket. Then store it standing upright away from heat and humidity.

● Store discs carefully. If you store discs at an angle, or stacked on top of each other, discs may become warped even when in their jackets.
● Do not leave discs in locations such as the seat of car, which may become excessively hot.

If an LD disc is warped...

If an LD disc is warped, put the disc into its protective envelope, and then place it between two flat plates of glass. Then place heavy books on top of the plates so that approximately 4 to 5 kgs (10 lbs) is applied. Leave the disc like this for a day or so. This may correct the warp.
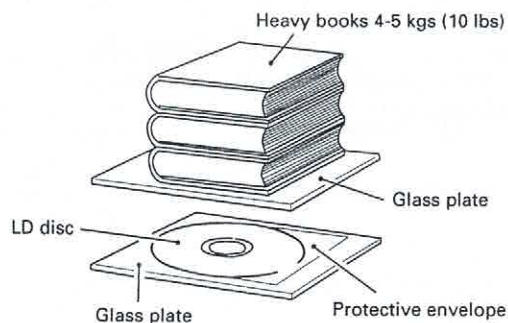
Heavy books 4-5 kgs (10 lbs)

Glass plate

LD disc

Glass plate

Protective envelope

● **Only televisions equipped with a video input can be connected to this unit.**

When using an AV television (or monitor TV) equipped with the video and audio jacks

Stereo system using CLD-95 and AV television

VIDEO IN

Video cord

Stereo amplifier

When using an AV amplifier

When connecting the S-VIDEO jack, insert the plug with care. Forcing the plug into the jack with the wrong orientation may damage the plug and/or the jack.

To VIDEO OUT jacks

INPUT
TUNER CD

② Audio cord

To AUDIO OUT jacks

To VIDEO OUT jacks

To S-VIDEO OUT jack

UHF antenna   VHF antenna

③ To AC wall outlet
Connect the power cord after all other connections have been completed.

S-VIDEO cord.

S VIDEO

AUDIO IN

L

R

① Video cord

VIDEO IN

Television

Making connections

① Connect the VIDEO OUT jack of this unit to the video input jack of the AV television (or monitor TV).
When the AV television with the S-VIDEO OUT jack is used, connect to the S-VIDEO OUT jack of this player. (A much clearer picture is reproduced.)

② Connect the AUDIO OUT jacks of this unit to the appropriate audio input jacks (AUX, CD, VDP, LD, VCR, etc.) of your stereo amplifier. (However, be careful not to connect to the amplifier's PHONO jacks.)

● Although it is possible to connect the AUDIO OUT jacks of this unit to the audio input jacks of your TV to use the TV's speakers for audio playback, connecting to a stereo amplifier will allow you to take better advantage of the excellent sound quality provided by compact discs and LaserVision discs.

③ Connect the power cord to an AC wall outlet.

● If an antenna and/or VCR is connected to the TV, do not remove or change the connection.

● System control is possible when this unit is combined in a system with other Pioneer components such as a AV television or an AV control center. (See page 12 and 13.)

Stereo amplifier connections

Connect the AUDIO OUT jacks of this unit to CD, AUX, VDP, LD or VCR input jacks of your stereo amplifier.
● Do not connect to the amplifier's PHONO jacks.
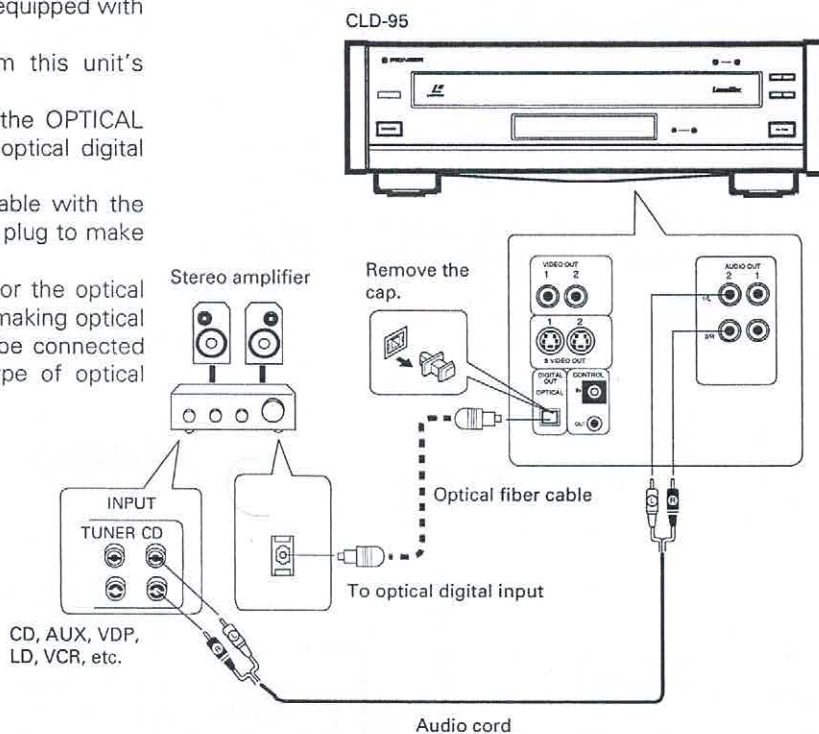
Connecting to an optical digital jack

This unit can be connected to an amplifier equipped with an optical digital jack.
1. Remove the protective dust cap from this unit's OPTICAL DIGITAL OUT jack.
2. Use an optical fiber cable to connect the OPTICAL DIGITAL OUT jack of this unit to the optical digital input jack of the amplifier.
   ● Align the plug of the optical fiber cable with the optical digital jack and fully insert the plug to make a secure connection.

Use a separately sold optical fiber cable for the optical digital jack connections. However, when making optical digital connections, the CLD-95 can only be connected to an amplifier which uses the same type of optical transmission/reception module.

CLD-95

Stereo amplifier

Remove the cap.

Optical fiber cable

INPUT
TUNER CD

CD, AUX, VDP, LD, VCR, etc.

To optical digital input

Audio cord

Connect the power cords of this unit and other components in the system to an AC wall outlet.

When the power cord of this unit is connected to an AC outlet, power is supplied to the unit's internal memory (such as the last memory) even when the POWER switch is OFF. Therefore, be sure to connect the power cord directly to a wall outlet. If the power cord is connected to an outlet such as a switched outlet on an amplifier, the various memory contents will be erased whenever the amplifier's power switch is turned off.

CLD-95   Stereo amplifier   TV

AC wall outlet
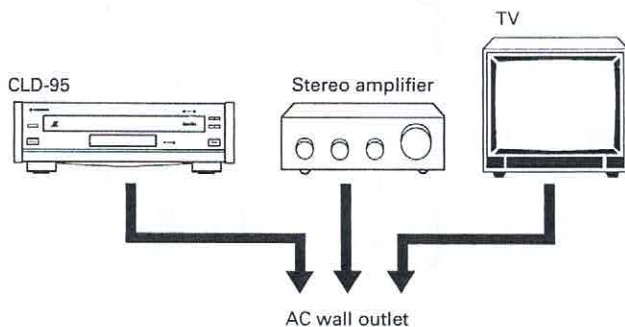
Precautions concerning use of optical fiber cables

● Fully insert the optical fiber cable plugs all the way into the jacks.
● Be careful not to fold or crimp the cable. When coiling an optical fiber cable for storage, make sure the diameter of the coil is 15 cm (6 inch) or larger.
● Use an optical fiber cable with a length of 3 m (9 feet) or less.
● Protect the optical fiber cable plugs from scratches and dust.

● When the unit is not connected using an optical fiber cable, be sure to keep the protective dust cap plugged into the optical digital output jack at all times.
● Take good care of keeping the protective dust cap.

WHEN COMBINED WITH OPTIONAL PIONEER PROJECTION MONITOR (or COMPONENT DISPLAY)

Connect the VIDEO OUT jack of the player to the video input jack of the projection monitor (or component display), and connect the AUDIO OUT jacks of the player to the audio input jacks of the projection monitor (or component display).

System Control

By connecting the CONTROL IN [SR] jack of the player to the remote jack of the projection monitor (or component display), the system can be controlled by the remote control unit of the player at the remote control sensor of the projection monitor (or component display). Please also refer to the operating instruction for the projection monitor (or component display).

● Use a commercially available cord with mini-plugs for the projection monitor (or component display).

NOTE:

When system control connections have been made, the player cannot be directly controlled by the remote control unit. To operate the player, aim the remote control unit at the projection monitor (or component display).

Projection Monitor (Component display)

Commercially available cord with mini-plugs

Video cord

Audio cord

To VIDEO OUT jack

To AUDIO OUT jack

CLD-95

To CONTROL IN jack

Stereo Amplifier
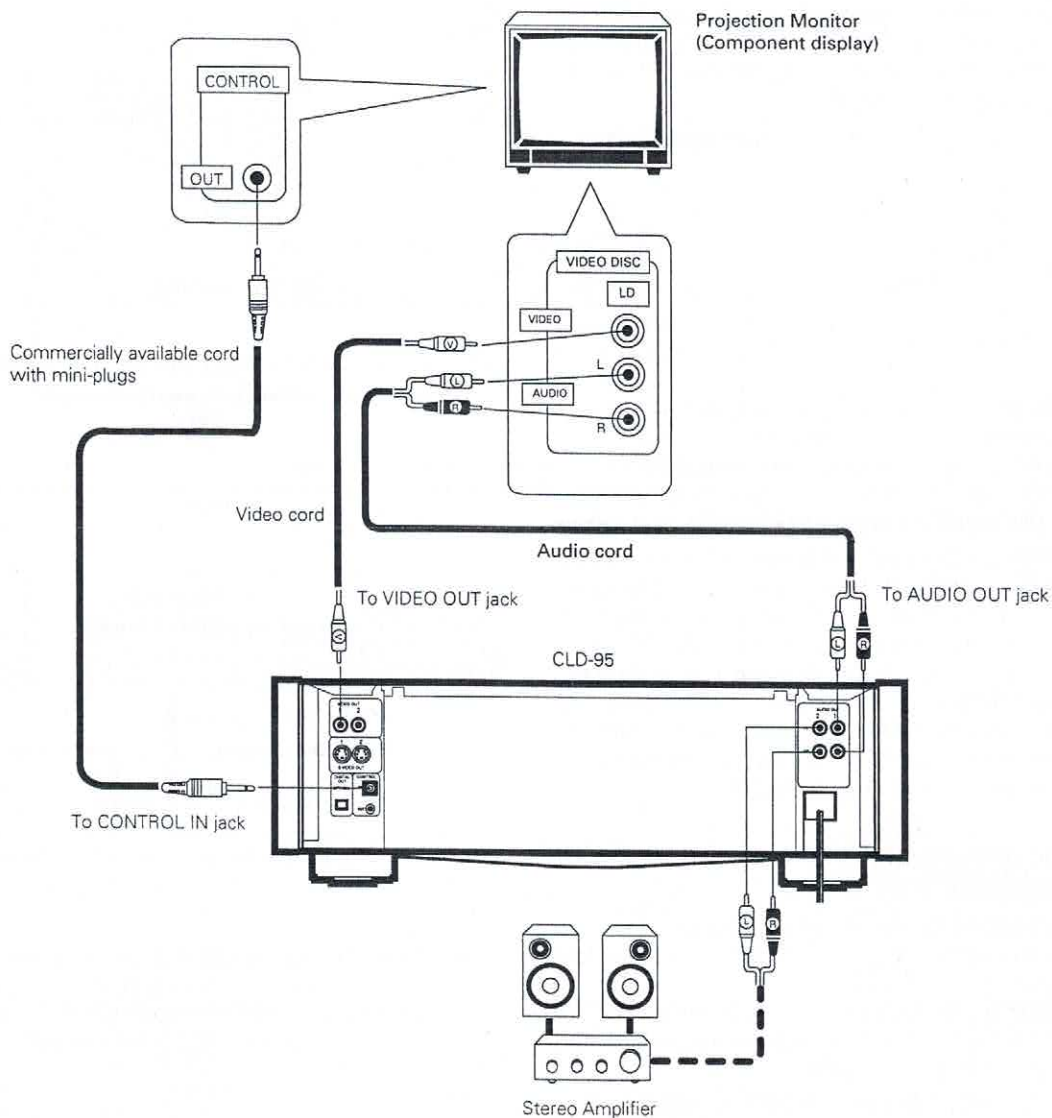
PERFORMING SYSTEM CONTROL WHEN THE PLAYER IS COMBINED WITH A PRODUCT THAT HAS THE 🔳 MARK

System control can be performed when the player is combined with an optional AV control center, which can provide centralized control of Pioneer products with the 🔳 mark.

Connect the VIDEO OUT jack of the player to the video disc video input jack of the AV control center and connect the AUDIO OUT jacks of the player to the audio input jacks of the AV control center.

Connect the CONTROL OUT jack of the AV control center to the CONTROL IN 🔳 jack of the player using a commercially available cord with mini-plugs.

● For details concerning the connection and operation methods, please refer to the operating instructions for the AV control center.

NOTES:
● *When a connecting cord has been connected to the 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 AV control center.*
● *Even when the player is connected to the AV control center with the optical fiber cable, connect the VIDEO OUT/AUDIO OUT jacks to the input jacks of the amplifier. Otherwise, the System Control cannot be carried out.*

Commercially available cord with mini-plugs

CONTROL OUT

AV control center

Video cord

VIDEO INPUT

AUDIO

L

R

Audio cord

To CONTROL IN jack

To VIDEO OUT jack

To AUDIO OUT jacks

CLD-95
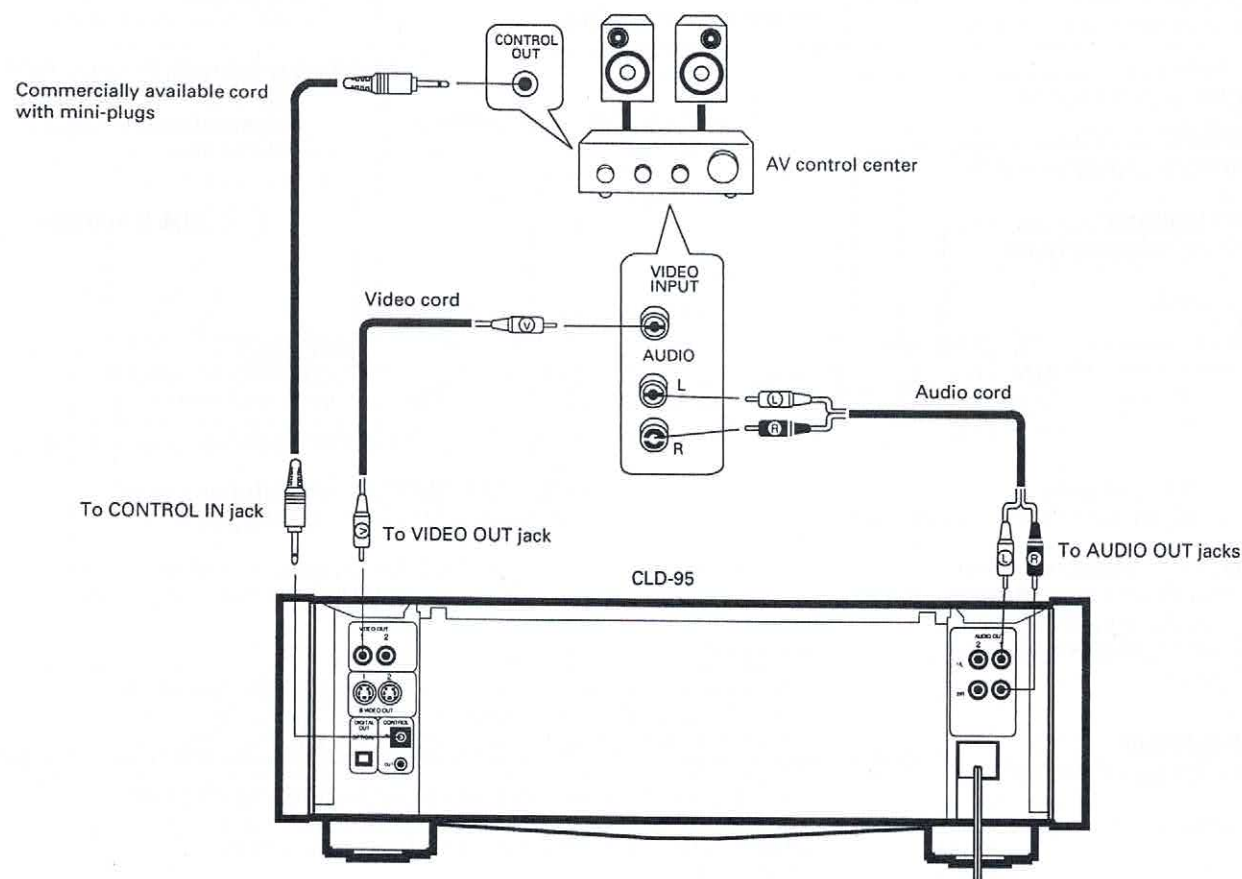
NAMES AND FUNCTIONS OF FRONT PANEL COMPONENTS

A detailed description is provided on the indicated page(s).

Door/Disc table ... p. 21

REMOTE SENSOR ... p.17

POWER STANDBY/ON switch
Press to turn the power on and off.

Display window

Play indicator
Lights when a disc is being played.

REPEAT indicator
Lights during repeat playback.

EDIT indicator
Lights during auto program editing.

RANDOM indicator
Lights during random playback.

SIDE A indicator

TRACK/CHAP indicator
Indicates the track number or chapter number.

TIME/TOTAL/REMAIN indicator
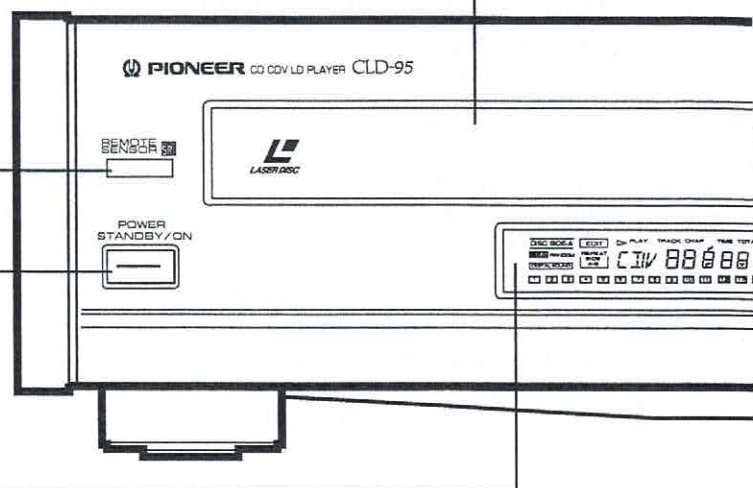Indicates the elapsed time, remaining play time or total playing time.

FRAME indicator
Indicates the frame number.

1/L channel, 2/R cahnnel indicator
Indicates the audio output channel(s).

SIDE B indicator

Disc indicator
Indicates the type of disc loaded.

DIGITAL SOUND indicator
Lights when a disc with digital sound is played. Also lights when the digital signal is selected during LD playback.

PGM indicator
Lights during program playback.

ONE -SHOT MEMORY indicator
Lights during One-Shot Memory playback.

VIDEO NR indicator
Lights the VIDEO NR button is pressed.

LD CD/CDV visual calendar
When a disc is loaded, the numbers on this calendar light up to indicate the chapter/track numbers recorded on the disc. If 20 or more chapters/tracks are recorded on the disc, the "→" indicator lights.
During program play, only the programmed chapter/track numbers light. When a disc without a TOC (Table of Contents) section is loaded, only the number of the chapter currently being played lights.
When a CDV disc is loaded, the track numbers of the video part light followed by the track numbers of the audio part.
When a chapter or track finishes playing, the corresponding number is turned off on the display.

DISC SIDE A/B buttons ... p. 21
When a two-sided LD is loaded, side A is the side with the label facing upward, and side B is the side with the label facing downward. Depending on how the LD is loaded, the A and B buttons may not correspond with the indications on the indications on the label (A, B or 1,2).

OPEN/CLOSE button ... p. 20, 22

STOP button ... p. 22

PLAY/STILL button ... p. 21

FL DISPLAY button ... p. 19

FL DISPLAY OFF indicator
Lights when the display window and TV screen are turned off using the FL DISPLAY button.

Control panel

The control panel can be opened by pushing on the section indicated by the "DOOR OPEN" label. To close the control panel, gently push the door in until it clicks.

PGM (program) button ... p. 32

AUTO PGM EDIT button ... p. 36

VIDEO NR (Noise Reduction) button ... p. 20

RANDOM PLAY button ... p. 37

Digit buttons
Used to input the chapter/track number in Search or Program mode. These buttons are also used to specify the recording time in Auto Program Editing mode.

SCAN buttons

SKIP buttons ... p. 25, 33

15
<VRB1049>
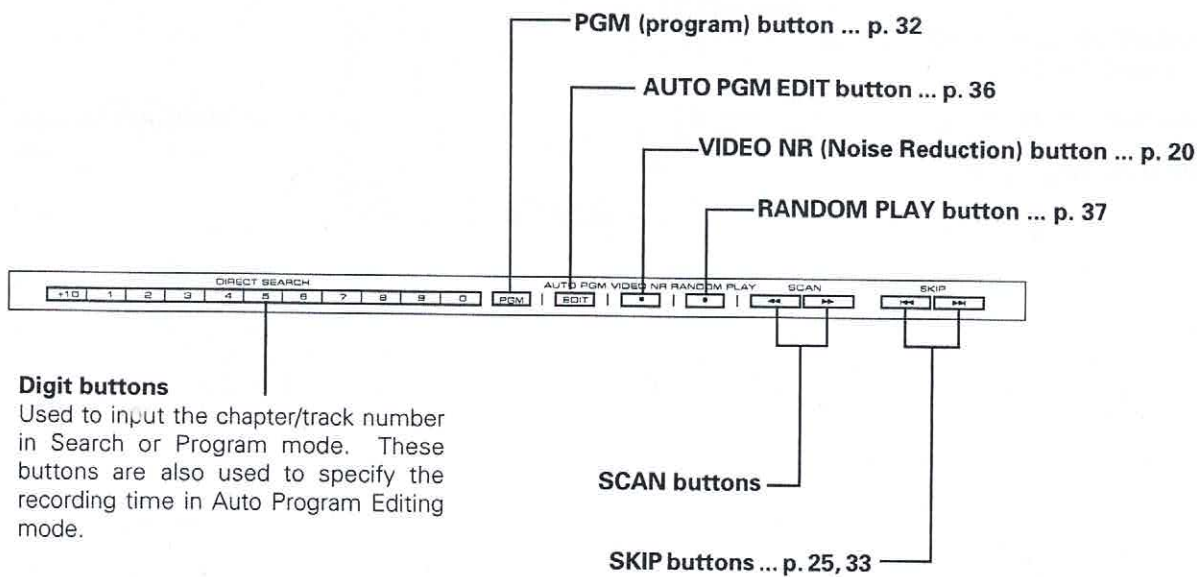
NAMES AND FUNCTIONS OF REMOTE CONTROL UNIT COMPONENTS

A detailed description is provided on the indicated page(s).
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.

POWER button
Press to turn the power on and off.

CHP/TRK
ONE SIDE/ALL SIDE/PROGRAM/
REPEAT A/B buttons ... p. 30

PGM (program) button ... p. 32

ONE-SHOT MEMORY button ... p. 28

STILL WITH SOUND/STROBE MOTION
button ... p. 29

MULTI-SPEED buttons ... p. 27, 29

SKIP buttons ... p. 25, 33

DISPLAY button ... p. 18

JOG MODE button/JOG MODE ON
indicator ... p. 24

JOG dial ... p. 24

SHUTTLE ring ... p. 24

CX button ... p. 22

EJECT button ... p. 20, 22

AUDIO button ... p. 23

DIGITAL/ANALOG button ... p. 23

CLEAR button
Used to cancel Repeat mode or Program mode, to erase file contents, or to correct numbers entered with the digit buttons.

Digit buttons
Used to input the chapter/track number in Search or Program mode. This button is also used to specify the recording time in Auto Program Editing mode.

SEARCH button ... p. 25, 30, 34, 35

CHP/TM (chapter/time) button
... p. 25, 26

STEP buttons ... p. 27

PLAY button ... p. 21

PAUSE button ... p. 22

DISC SIDE A/B button ... p. 20

REMOTE CONTROL OPERATIONS

## INSERTING BATTERIES INTO THE REMOTE CONTROL UNIT

1. Open the battery compartment cover on the back of the remote control unit. The cover should open easily if you press on it with your thumb while sliding it in the direction of the arrow.
2. Take out the two accessory size "AAA" (IEC R03) dry cell batteries, and insert them into the battery compartment in accordance with the display ($\oplus$, $\ominus$) inside the compartment.
3. Close the cover of the battery case.

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 $\oplus$ and negative $\ominus$ 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.
D. Never mix charged batteries and not being charged one. Use the batteries after reading precautions carefully.
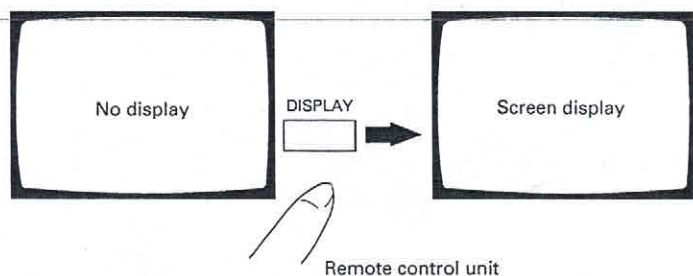

When operating the remote control unit, point the unit's infrared signal transmitter at the remote control receiver (REMOTE SENSOR) on the front panel of the player. The remote control unit can be used within a range of about 5 meters (17 feet) from the remote sensor, and within angles of up to about 30 degrees.
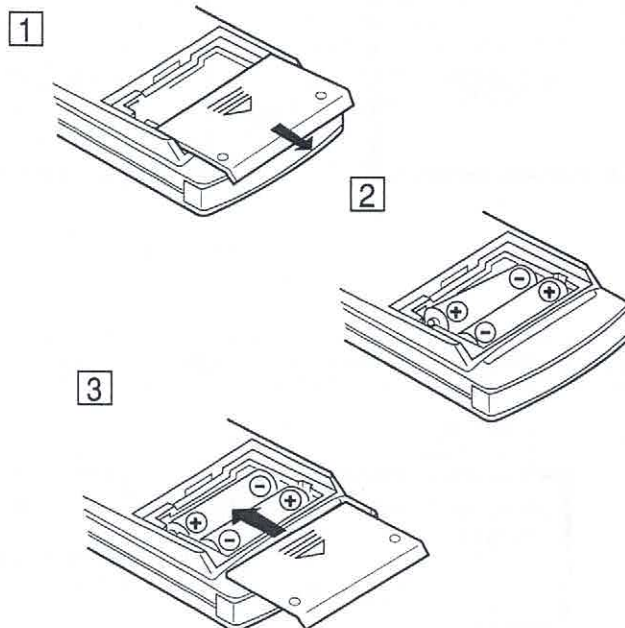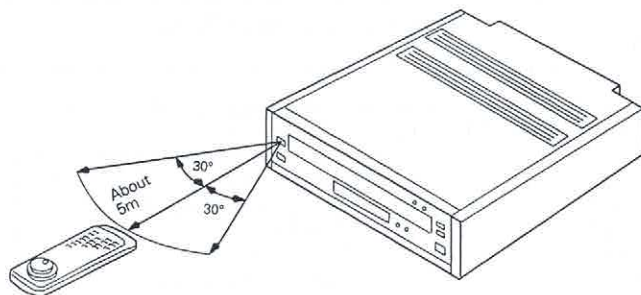
NOTE FOR USING THE REMOTE CONTROL UNIT

● If a plug is connected to the CONTROL IN terminal at the rear of the player, remote control operations cannot be done with the remote control unit aimed at the player's remote control sensor. Aim the remote control unit at the AV control center or the component display's sensor instead.
● If there is any obstacle between the remote control unit and the player, or if the unit is held at too large an angle relative to the front panel of the player, the signal from the remote control unit will fail to reach the remote sensor.
● If the player is operating in the vicinity of other appliances generating infrared rays, or if other remote control devices using infrared rays are used near the player, the player may operate improperly. Conversely, if the player's remote control unit is operated in the vicinity of other appliances which use an infrared remote control device, the other appliance may operate improperly. If this should happen, change the place of installation so that improper operation does not occur.
● If the range of operation of the remote control unit becomes too short, replace the batteries.
● When the unit is not to be used for a long period of time (more than one month), remove the batteries to prevent them from leaking inside the compartment. If leakage occurs, wipe up the liquid inside the compartment and replace the batteries with new ones.
● Do not place books or other objects on the remote control unit, since they might depress the buttons and run down the batteries.
● 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.
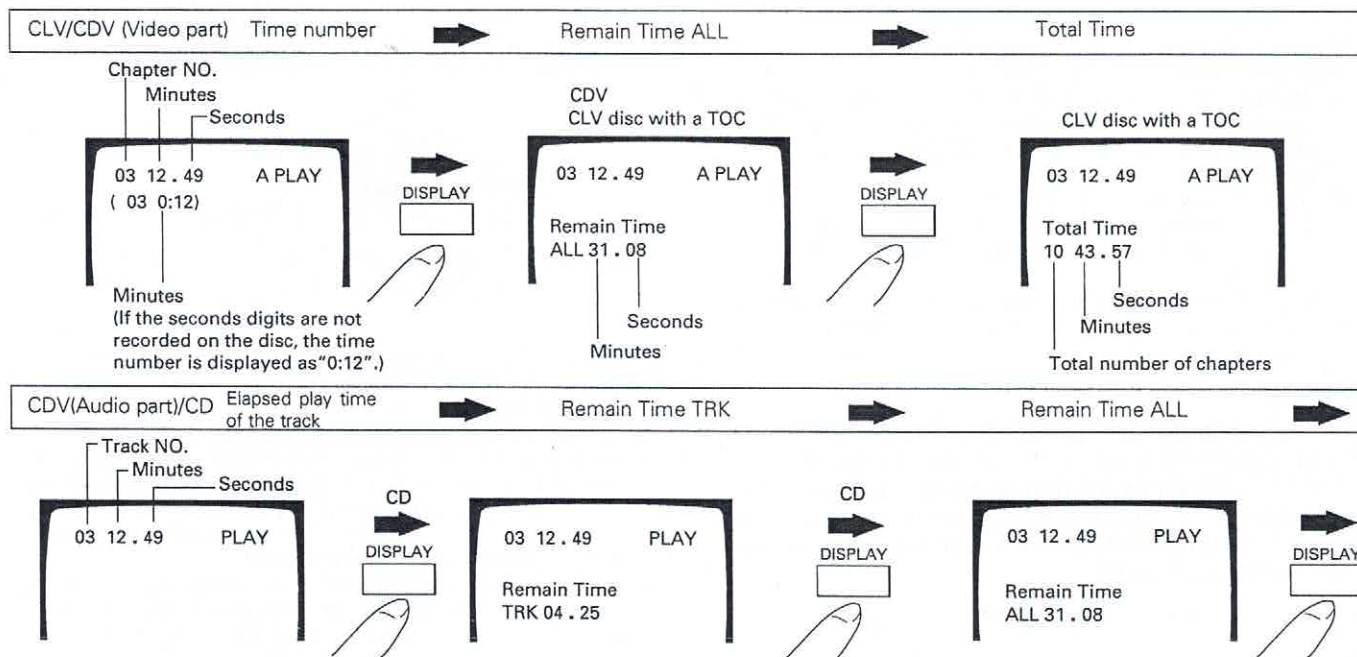
DISPLAY SWITCHING

Information regarding the operations being carried out can be displayed on the screen of the monitor TV. When the DISPLAY button on the remote control unit is pressed the first time, the screen is displayed.

No display → DISPLAY → Screen display

Remote control unit

With LD discs containing a TOC ...
Each time the DISPLAY button is pressed, the display changes in the following order: time/frame number (elapsed play time/frame from the beginning of the disc) → Remain Time ALL (remaining play time of the disc) → Total Time (total play time of the disc) → display off.
- With CAV discs, the Disc time ABS (elapsed play time from the beginning of the disc) is displayed after the frame number.

CLV/CDV (Video part) Time number ➡ Remain Time ALL ➡ Total Time

Chapter NO.
Minutes
Seconds

03 12.49   A PLAY
(03 0:12)

Minutes
(If the seconds digits are not recorded on the disc, the time number is displayed as "0:12".)

DISPLAY ➡

CDV
CLV disc with a TOC

03 12.49   A PLAY

Remain Time
ALL 31.08

Seconds
Minutes

DISPLAY ➡

CLV disc with a TOC

03 12.49   A PLAY

Total Time
10 43.57

Seconds
Minutes
Total number of chapters

CDV(Audio part)/CD Elapsed play time of the track ➡ Remain Time TRK ➡ Remain Time ALL ➡

Track NO.
Minutes
Seconds

03 12.49   PLAY

DISPLAY ➡ CD

03 12.49   PLAY

Remain Time
TRK 04.25

DISPLAY ➡ CD

03 12.49   PLAY

Remain Time
ALL 31.08

DISPLAY ➡

Other displays

Lights - Flashes	Function	Lights - Flashes	Function
OPEN	Opening of the table	Program	Program mode
CLOSE	Closing of the table	Step-	Chapter/Track program step
STOP	Stop mode	One-Shot	One-Shot memory
PLAY	Play mode	Editing	Edit mode
PAUSE	Pause mode	Digital	Digital signal setting
STILL	Frozen picture	Analog	Analog signal setting
1/2, 1/4...	Slow-speed play	Stereo	Stereo
x2, x3	High-speed play	1/Lch	Main audio/Left channel
Video	Video part search	2/Rch	Sub audio/Right channel
Audio	Audio part search	Random	Random repeat
A	Side A play	Pgm. Rnd	Program Random
B	Side B play	CX ON	CX system ON
Repeat Memory	Memory repeat	CX OFF	CX system OFF
Repeat A-B	A-B repeat	Last Memory	Last memory
Repeat Side A (B)	One side repeat	A ▶ B	Switching from side A to B
Repeat All	Two side repeat	B ▶ A	Switching from side B to A
Repeat Chapter (Track)	Chapter/track repeat	V-NR ON	Video NR ON
Repeat Program	Program repeat	V-NR OFF	Video NR OFF

* During CD or CDV (audio part) playback, the visual calendar is displayed on the screen with a blue background.

With LD discs having no TOC...

Each time the DISPLAY button is pressed, the display changes in the following order: time/frame number → display off.
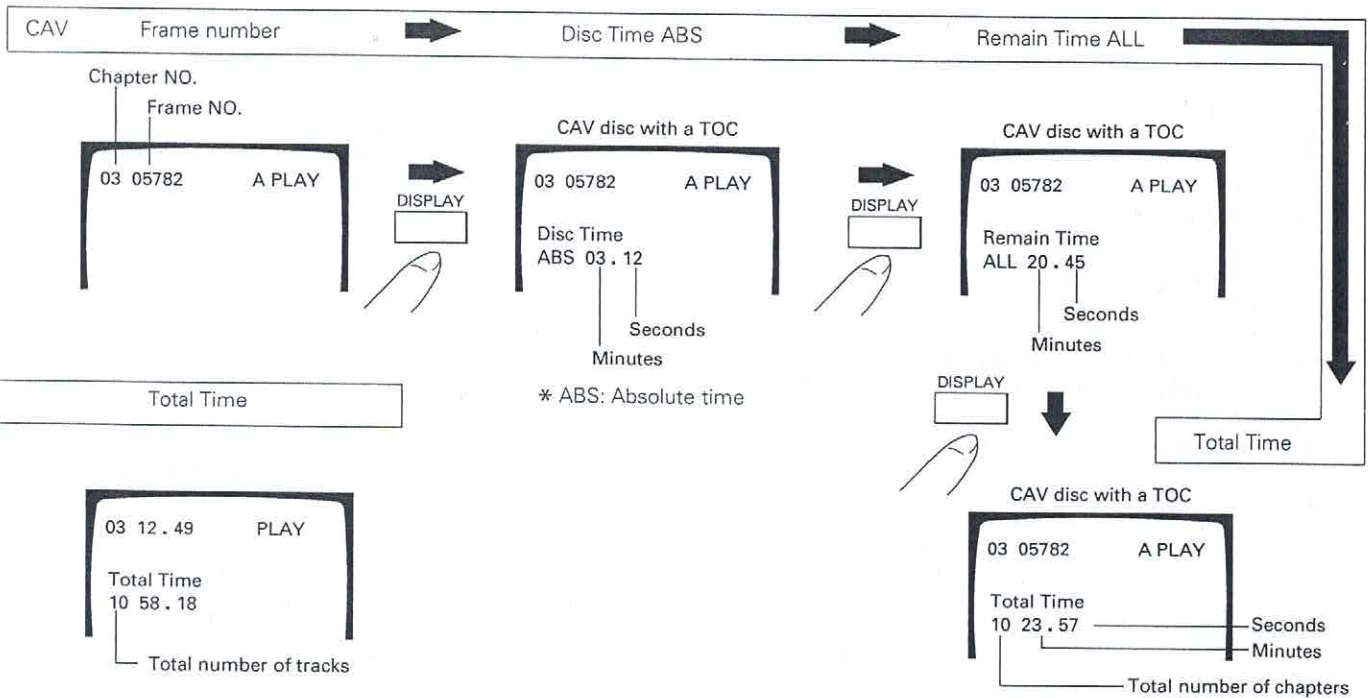
With CDV discs...

Each time the DISPLAY button is pressed, the display changes in the following order: elapsed play time of the track being played → Remain Time TRK (remaining play time of the track being played) → Remain Time ALL (remaining play time of the video or audio part being played) → Total Time (total play time from the beginning of the video or audio part being played).

With CD discs...

Each time the DISPLAY button is pressed, the display changes in the following order: elapsed play time of the track being played → Remain Time TRK (remaining play time of the track being played) → Remain Time ALL (remaining play time of the disc) → Total Time (total play time from the beginning of the disc).

● These date are also displayed on the display window of the front panel.

CAV   Frame number   ➡   Disc Time ABS   ➡   Remain Time ALL

Chapter NO.
Frame NO.

| 03 05782 | A PLAY |

DISPLAY

CAV disc with a TOC

03 05782	A PLAY
Disc Time	
ABS 03 . 12	

Seconds
Minutes

DISPLAY

CAV disc with a TOC

03 05782	A PLAY
Remain Time	
ALL 20 . 45	

Seconds
Minutes

Total Time

DISPLAY

Total Time

03 12 . 49	PLAY
Total Time	
10 58 . 18	

Total number of tracks

* ABS: Absolute time

CAV disc with a TOC

03 05782	A PLAY
Total Time	
10 23 . 57	

Seconds
Minutes
Total number of chapters

To turn off the screen display and the player's display window:
Press the FL DISPLAY button on the front panel. The FL DISPLAY OFF indicator on the front panel lights and the displays on the display window and the TV screen are turned off. In DISPLAY OFF state, the blue display screen does not appear on the TV screen even when the player is in the stop or pause mode. Also, in this state a still frame is not displayed when the player switches from side A to side B of an LD. When you wish to turn the display function back on, press the FL DISPLAY button again.

● Even in DISPLAY OFF state, pressing a button displays the corresponding information for about 4 seconds.
● Even when the power switch is STANDBY, display ON/OFF state is retained in the player's memory. Therefore, if you turn the power off while the player is in the display OFF state, be aware that the display will still be off when you turn the player back on.

If the screen display does not appear even when you press FL DISPLAY ...
Check the FL DISPLAY OFF indicator on the front panel. Is it lit? If it is, press the FL DISPLAY button on the front panel so that the indicator goes out.

● Now, when you press an operation button, a display will appear for approximately 4 seconds.

TO PLAY AN LD, CDV, OR CD

DISC SIDE A

DISC SIDE B

3

5

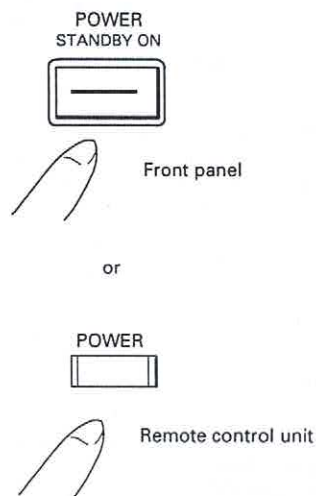FL DISPLAY

2

4
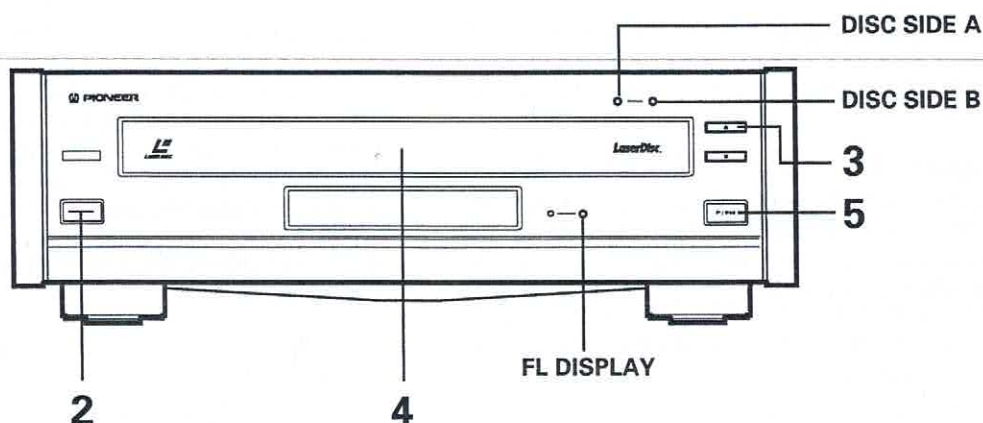
1

Turn on the power to the TV and the audio system.

When using a stereo system for audio playback:
Turn on the power to the amplifier and set the amplifier's input selector to the input corresponding to the jacks connected to the CLD-95 (such as "CD" or "LD").
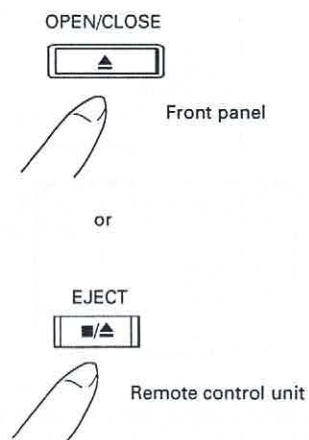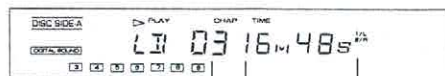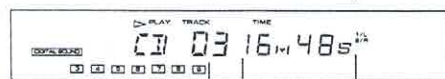
2

Turn on the power to this unit.

POWER
STANDBY ON

Front panel

or

POWER

Remote control unit

3

Open the disc table.

OPEN/CLOSE

▲

Front panel

or

EJECT

■/▲

Remote control unit

State of the display window during playback:

DISC SIDE A   ▷ PLAY   CHAP   TIME

LD

Chapter number   Time number (minutes/seconds or minutes only) or Frame number

▷ PLAY   TRACK   TIME

CD

Track number   Elapsed play time of current track (minutes/seconds)

To playback a single sided disc
When single-sided discs (8-inch LDs), after the A side of the disc (the side facing upward) is played, playback is stopped or the disc table is opened. To avoid this, press DISC SIDE A to start playback.

To specify and play a single side (side A or side B)
To play side A only, press DISC SIDE A instead of PLAY/STILL. Side A will be played and then playback will stop. To play side B only press DISC SIDE B instead of PLAY/STILL. Side B will be played and then playback will stop.

To change the picture quality
Each time VIDEO NR is pressed, the video noise reduction system is switched between ON and OFF. Watch the picture and set VIDEO NR as desired.

DISC SIDE A
DISC SIDE B
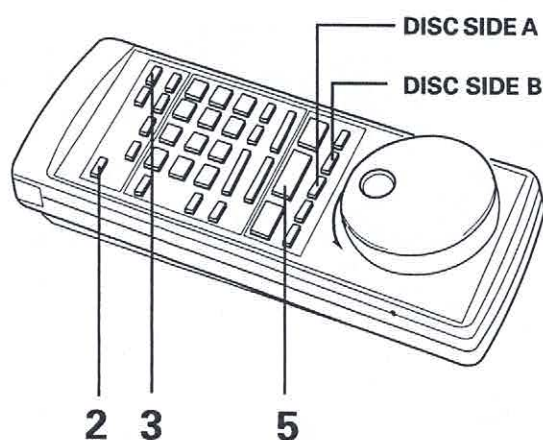
Front panel buttons and remote control unit buttons with the same name or mark have the same function.

2 3 5

4

Load a disc

As shown in the following diagram, place the disc on the disc table in the groove corresponding to the size of the disc.
If the disc is not centered correctly on the disc table, the disc will not be played or the disc or the player may be damaged.
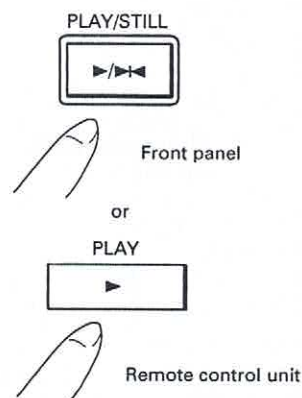Always place the disc correctly according to the required disc size on the disc table.

5-inch CD/CDV

3-inch CD

8-inch LD

12-inch LD
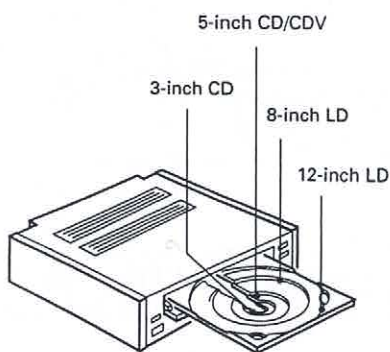
For CDs, CDV discs, and single-sided LDs, place the disc with the label side up. For LD, place the disc with desired side up.

5

Start playback.

PLAY/STILL

►/►◄

Front panel

or

PLAY

►

Remote control unit
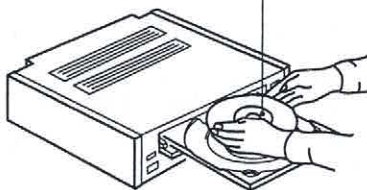
- With CDV discs, the video part is played first. A still frame is displayed and then the unit plays the audio part.
- With two-sided LDs, after the A side of the disc (the side facing upward) is played, a still frame is displayed and then the unit automatically begins playing the B side.

Precautions concerning disc loading

- Do not place more than one disc on the disc table. If two discs are placed one on top of the other on the disc table, discs may be scratched and/or malfunction may occur.
- With this unit, playback of all types of CD Video discs is carried out without the use of adapters. Therefore, do not use any type of adapter with this unit.
- With CDs, CDV discs, and single-sided LDs, always be sure to load discs with the label side facing upward.

To avoid malfunctions, be especially careful about the following points.

- Do not place any object other than a disc on the disc table.
- Do not move the player while a disc is playing. This will cause the disc to be scratched.
- Be careful not to catch your finger in the disc table section while the disc table is being retracted into the unit. Also, be careful that children do not put their hands into the inside of the unit while the disc table is open. This may cause injury.

Last Memory function:

If the power is turned off during LD playback, a playback position slightly ahead of the current screen is stored in the unit's memory (Last Memory). When the power is turned back on and playback is started, playback begins from the memorized position.
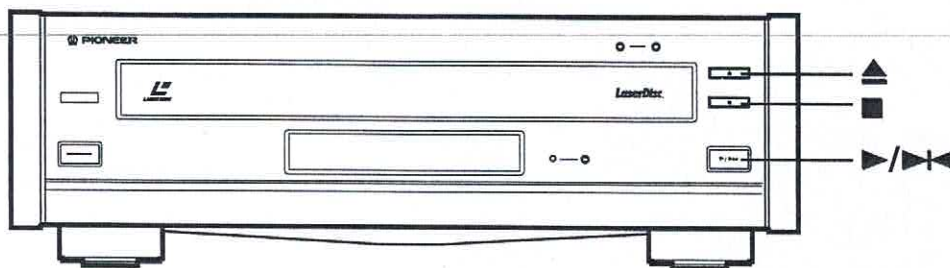
To pause playback temporarily

PAUSE

Remote control unit

The sound and/or video image disappears. Press PAUSE again to resume playback from the position where pause mode was entered. During the playback of the audio part of CD and CDV, the player enters pause mode by pressing PLAY/STILL of the player.

To stop playback

STOP

Front panel

or

EJECT

Once

Remote control unit

When PLAY/STILL is next pressed, disc playback starts again from the beginning.

To stop playback and take out the disc

OPEN/CLOSE

Front panel

or

EJECT

Twice

Remote control unit

After removing the disc from the disc table, press OPEN/CLOSE or PLAY/STILL to close the table.

Discs marked with the ⬜✕ mark

Discs marked are recorded with the CX noise reduction system for powerful audio reproduction with little noise (Analog audio only). The indicator on the front panel lights when such a disc is played. However, some discs marked are not encoded with the signals necessary to instruct the unit to automatically switch on the CX system. If the indicator does not light when a disc with a ⬜✕ mark is played, press the CX button on the remote control unit.

● ⬜✕ is a trademark of CBS inc. This player meets the CX EXPANDING SPECIFICATION.

To watch a TV broadcast:

Switch to the broadcast using the controls of your TV.

■/▲

CX

► II
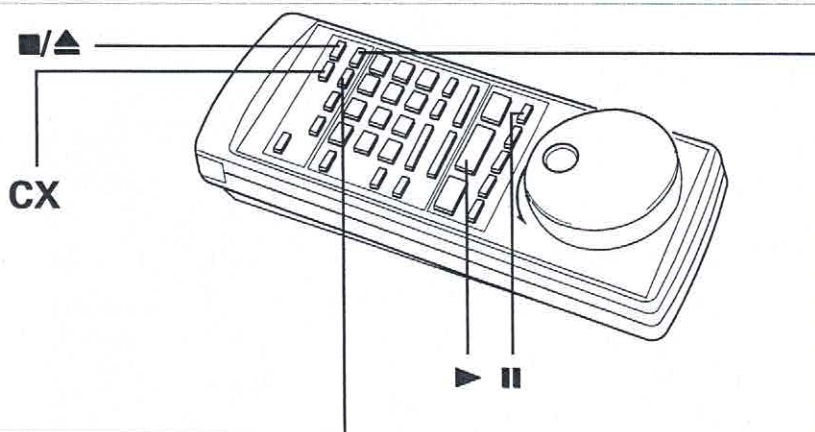
To listen to only one channel of a stereo disc, or to select the audio on a sound multiplex disc

During playback

AUDIO

AUDIO

AUDIO

	Played audio		Display on display window
	Stereo disc	Sound multiplex disc	
Stereo	Audio 1/L (Left) Audio 2/R (Right)	1/L, 2/R
Left	Audio 1/L (Left)	1/L
Right	Audio 2/R (Right)	2/R
	Return to start	

To listen to the analog audio of an LD digital audio disc:

During playback

DIGITAL /ANALOG

DIGITAL /ANALOG

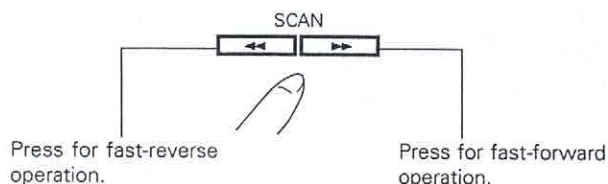|	Played audio	**DIGITAL SOUND indicator**
Digital	Lights
Analog	Goes off
	Return to start

With a Multi Audio disc (an LD bearing the 𝗱𝗶𝗴𝗶𝘁𝗮𝗹 MULTI AUDIO mark), you can listen to the various audio tracks recorded on the disc by using AUTO DIGITAL/ANALOG to select between the analog and digital audio tracks, and by using AUDIO MONITOR to select between the left (1/L) and right (2/R) channels.

Examples of the various types of audio recorded on Multi Audio discs

Disc \ Audio	Analog audio	Digital audio
Movies, animations, etc.	Audio of the main program	Soundtrack
Dual music	Music 1	Music 2
Various types of digital audio karaoke	1/L Karaoke (monaural) 2/R Assisting vocals	Stereo karaoke
Stereo bilingual	Native language	Foreign language 1

Disc \ Audio	Analog audio	Digital audio
Trilingual	Native language	1/L Foreign language 1 2/R Foreign language 2
Quadlingual	1/L Native language 2/R Foreign language 1	1/L Foreign language 2 2/R Foreign language 3

TO SEARCH FOR A DESIRED PASSAGE

Using the Shuttle Ring and Jog Dial changes playback speed and direction. This function is useful to search for a desired passage

Remote control unit

SCAN

Press for fast-reverse operation.

Press for fast-forward operation.

JOG MODE button

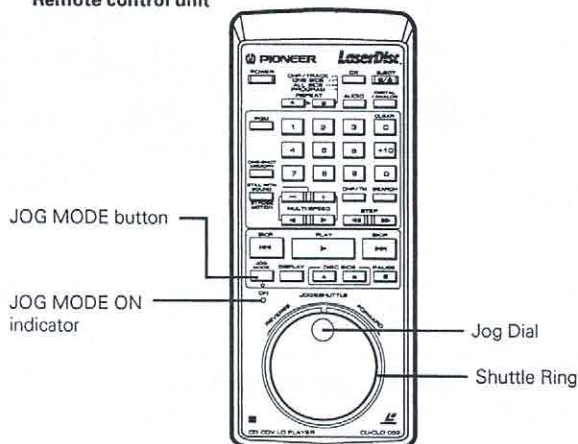JOG MODE ON indicator

Jog Dial

Shuttle Ring

Scan

For about two seconds after the button is pressed, the scan speed is fairly slow, after that, it changes to high speed. With the video part of CDV, the scan speed does not change to high speed.

Jog dial

Playback is advanced according to the speed and direction of rotation of the jog dial. Both forward and reverse playback is possible, and frames can be advanced at speeds of 1/2 speed, normal speed, and double speed. Rotating the jog dial clockwise forwards playback. Conversely, rotating it counterclockwise left reverses playback. To use the jog dial on the remote control unit, first press the JOG MODE button so that JOG MODE ON indicator lights. During playback of an LD or CDV video part, when the jog dial stops rotating, the frame is displayed. During playback of a CD, when the jog dial stops rotating, normal playback resumes.

Shuttle ring

Playback advances according to the setting direction and angle of the shuttle ring. Both forward and reverse playback is possible, and playback can be advanced at speeds of 2-times, 5-times, 10-times, and fast-forward/fast-reverse (scan). Rotating to the right forwards playback. Conversely, rotating it to the left reverses playback. Normal playback resumes when you release the shuttle ring.

No audio is output during operation of the scan, jog dial and shuttle ring (even when normal playback speed is engaged).

When using the shuttle ring during playback of CDV video part: Playback can be advanced at speeds of up to 10-times. Fast-forward and fast-reverse are not possible.

To resume normal playback after using the jog dial: Press PLAY.

When not using the jog dial on the remote control unit, set JOG MODE to OFF.
Although JOG MODE will automatically switch OFF (JOG MODE ON indicator goes out) approximately 5 minutes after you stop operating the jog dial, it is recommended that you set JOG MODE to OFF as soon as you finish using the jog dial in order to prevent unnecessary battery consumption.

When scanning to the end of the disc:
With LD discs, the still frame appears on the screen.
With CDV discs, you can scan to the audio part by scanning to the end of the video part.

TO SEARCH FOR A PARTICULAR CHAPTER/TRACK
Chapter (Track) Search/ Chapter (Track) Skip

The term "chapter" refers to each section on an LD, and the term "track" refers to each section on a CD or CDV disc.
If chapter or track numbers are encoded on a disc, it is so indicated on the disc jacket.

● Chapter Search is not possible with discs which are not divided into chapters.
● If chapter (track) number beyond the last chapter (track) number on the disc is specified, Chapter (Track) Search cannot be carried out.

Chapter (Track) Search-To search by designating the chapter/track number

Example:
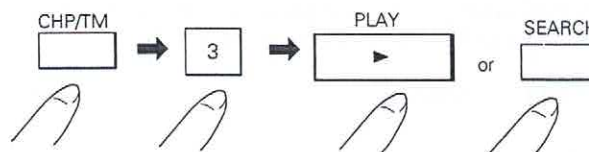To play from the beginning of Chapter/Track 3:

<Direct Search>

Enter 3 with the digit button.

To search for chapter or track number 10 or above:
Use the +10 button or 0.
(Example) To enter 17: +10, 7
To enter 30: +10, +10, +10, 0

<Normal Search>

When the display shows Frame No. or Time No. press this button again.

Enter 3 with the digit button.

Notes on LDs
With Direct Search, playback starts from the beginning of the designated chapter. With Normal Search, the beginning of the designated chapter is played with still frame.

Notes on CD,CDVs
If the track number which does not exist on the disc is designated, Track Search will not be carried out.

Chapter (Track) Skip-To search for the beginning of a chapter/track
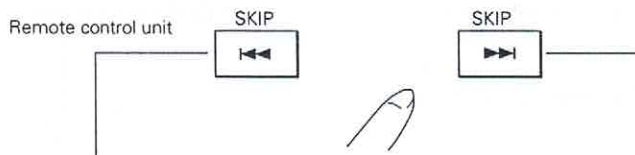
Press once to return the playback position to the beginning of the chaper/track being played. If the button is pressed more than once before the picture reappears, the beginning of a chapter/track located before the chapter/track being played is searched for and played. The position of the located track corresponds to the number of times the button is pressed.

If this button is pressed once or a number of times, playback is advanced to the beginning of a chapter/track located after the chapter/ track being played. The position of the located track corresponds to the number of times the button is pressed.

To cancel the search operation
Press CLEAR while the player is searching for the chapter or track.

When you made a mistake during entry
Press CLEAR and enter the correct number with the digit button.

To identify the present chapter number and frame (or time) number
The numbers are displayed in the front panel display window. The information can also be displayed on the monitor TV screen by pressing DISPLAY on the remote control unit.

TO SEARCH FOR A PARTICULAR TIME/FRAME
Time Number Search/Track Time Search/ABS Time Search/Frame Number Search

---

Time Number Search – Example: To search for the scene located at time number 12 min. 34 sec (CLV)

1. **Press CHP/TM.**
   When the display shows chapter No., press this button again.

2. **Enter ①, ②, ③ and ④ with the digit buttons.**
   If you make a mistake during entry:
   Press CLEAR to reset the time number to "0.00", and press the correct digit buttons again.

3. **Press ► or ►/►◄.**

CAUTION
If a disc does not contain information on the digits of seconds, specify the time number only as far as the minute digits.

Track Time Search – To search for a time on a specified track (CD/CDV)

1. **Press CHP/TM.**

2. **Press SKIP ►◄◄ or ►►◄ so that the desired track number appears in the front panel display window.**

3. **Enter the track time (elapsed time from the beginning of the specified track) with the digit buttons (0 - 9).**

4. **Press ► or ►/►◄.**

ABS Time Search (CD only) – To search for a point by designating the elapsed time from the beginning of the disc

1. **Press CHP/TM so that "Ab" appears in the front panel display window. (On the monitor screen, "ABS" appears.)**

2. **Enter the elapsed time from the beginning of the disc with the digit buttons (0-9).**

3. **Press ► or ►/►◄. Playback starts from the specified elapsed time.**

Frame Number Search (CAV discs only) – To search by designating the frame number

Any desired frame can be searched for by specifying its frame number.

1. **Press CHP/TM. When the display shows chapter NO., press this button again. "Frame 0" is displayed.**

2. **Enter the required frame number with the digit buttons (0 - 9).**

3. **Press ► or ►/►◄. The designated frame is played as a still frame.**

NOTES:
- *The +10 button does not function.*
- *If you make a mistake during entry, press CLEAR and press the correct digit buttons.*

To exit search mode:
Press CLEAR.

EXTRA PLAYBACK

Still frame and Frame-by-Frame advance function

During playback if the STEP button is pressed, the picture will be frozen. At this point, the disc can be played one frame at a time in either the forward or reverse direction by pressing one of these buttons. The sound is muted during still frame or frame advance operation. To return to normal operation, press PLAY.

STEP
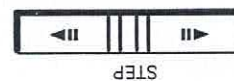
Press either of these buttons.

To vary the playback direction or speed

MULTI-SPEED

Press for reverse playback. Press for forward playback.

During playback, the playback direction can be changed with MULTI SPEED. 1/4 the normal playback speed is set automatically. With + and − buttons, the playback speed can be changed from x 3 to 1/90 the normal playback speed. Sound is muted during Multi-speed playback operation. To return to normal playback operation, press PLAY.

- When playback reaches the beginning or end of a disc, the still frame is displayed.

+ Press to increase speed.   − Press to decrease speed.

Speed display		Speed
Faster	x3	3 times the normal playback speed.
	x2	Twice the normal playback speed.
	x1	Normal playback speed.
	1/2	1/2 the normal playback speed.
	1/4	1/4 the normal playback speed.
	1/8	1/8 the normal playback speed.
	1/16	1/16 the normal playback speed.
	1/30	1/30 the normal playback speed.
Slower	1/90	1/90 the normal playback speed.

- The selected speed is displayed by pressing DISPLAY on the remote control unit.

No sound?
During Multi-speed playback, sound is not heard.

If playback automatically switches to still frame display mode.
If a disc containing special signals called "picture stop codes" is played at x1, 1/2, 1/4, 1/8, 1/16, 1/30 or 1/90 speed, playback pauses automatically whenever the unit encounters a frame where a picture stop code is encoded, and the still picture of that frame is displayed on the monitor screen. To move from that position, press ◄► or MULTI-SPEED ◄►.

One-Shot Memory

The One-Shot Memory function stores the image of a single frame in the player's memory. When the One-Shot Memory function is activated and playback of the current disc is completed, the stored image is recalled and displayed on the screen. Since the image is displayed even after playback is completed, this function is convenient for displaying an image on the screen while changing discs. This function also allows you to change discs and listen to the audio of a CD or CDV disc while the image remains on the screen as a background video image.

ONE-SHOT MEMORY

During normal playback, press ONE-SHOT MEMORY when the desired scene appears on the screen.

The frame displayed when the button was pressed is stored in memory.

The ONE-SHOT MEMORY indicator blinks and "One-Shot" is displayed on the TV screen for a few seconds.

After playback is finished, the memorized frame appears on the screen and the ONE-SHOT MEMORY indicator lights. In this state, even if you change discs the scene displayed on the TV screen does not change. To cancel the One-Shot Memory function in order to play the video from another disc, press ONE-SHOT MEMORY again.

With CDV discs, the following operation can also be performed:
1. Press ONE-SHOT MEMORY during playback of the video part.
2. Perform a direct search of the audio part.
• The image memorized from the video part is displayed on the screen while the audio part is played back. When playback is stopped or the video part is played back, the memorized image goes off.

Notes:
• With the One-Shot Memory function, since the player memorizes the selected frame by recording its address, a frame which is slightly different than the one you thought is selected may be displayed. Also, if seconds are not recorded on the disc, a completely different frame may be displayed.
• While the memorized image is displayed on the TV screen, the character display will not appear on the screen. The display on the player can be switched by using the DISPLAY button on the remote control unit.
• When playback switches from one side to the other side the One-Shot Memory function is cancelled.

Still with Sound Playback

With the Still with Sound Playback function, you can stop the video image and display a still frame while continuing to listen to normal playback of the audio part.

STILL WITH
SOUND

STROBE
MOTION

During normal playback, press STILL WITH SOUND/STROBE MOTION when the desired scene appears on the screen.

Even when the player enters repeat playback or program playback, the screen is frozen at the current frame and the audio continues playing.

To resume normal playback:
Press PLAY.

Strobe Motion Playback

With the Strobe Motion Playback function, the still frame displayed using the Still with Sound Playback function is replaced with successive still frames at regular intervals (variable), resulting in a strobe motion effect.

–   +

After pressing STILL WITH SOUND/STROBE MOTION, press + or –.

– : Increases the frame replacement interval.
+ : Decreases the frame replacement interval.

The still frames shown on the screen are replaced in sequence according to the selected replacement interval, while the audio continues as normal.

By repeated pressing of the + and – buttons, one of seven different replacement intervals can be selected.

To resume normal playback:
Press PLAY.

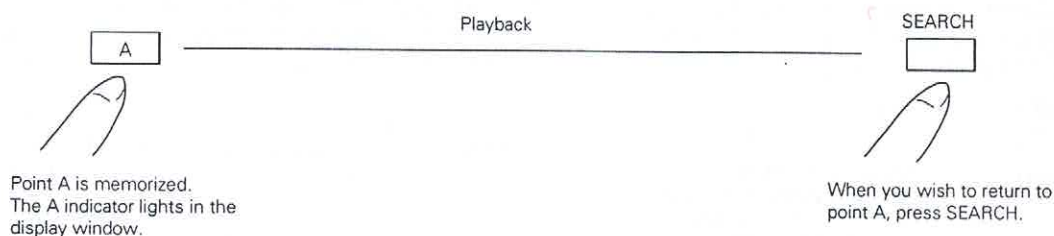| "–" button	Screen display	Replacement interval	"+" button
↓	x1	Every frame	↑
	1/2	Every 2 frames	
	1/4	Every 4 frames	
	1/8	Every 8 frames	
	1/16	Every 16 frames	
	1/30	Every second	
	1/90	Every 3 seconds	

Normal playback is carried out at 30 frames/second.
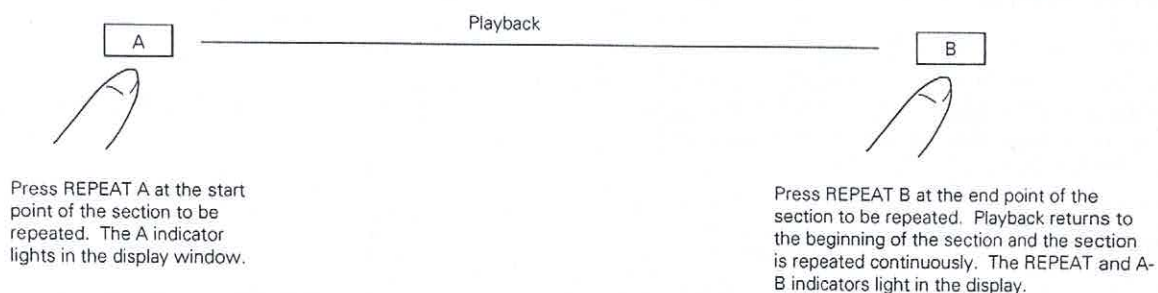When the power is turned on, the replacement interval is initialized at "Every 4 frames".
In order to maintain normal audio playback, faster than normal playback modes such as x2 and x3 are not provided.

29
<VRB1049>
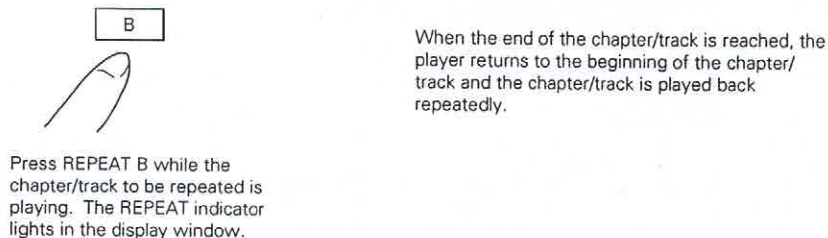
TO REPEATEDLY PLAY A DESIRED PASSAGE — Repeat Playback

To specify a point to return to later — Memory Repeat

Playback   SEARCH

A

Point A is memorized.
The A indicator lights in the
display window.

When you wish to return to
point A, press SEARCH.

To repeat a specified section — A-B Repeat

Playback

A   B

Press REPEAT A at the start
point of the section to be
repeated. The A indicator
lights in the display window.

Press REPEAT B at the end point of the
section to be repeated. Playback returns to
the beginning of the section and the section
is repeated continuously. The REPEAT and A-
B indicators light in the display.

To repeat the current chapter or track — Chapter/Track Repeat

B

When the end of the chapter/track is reached, the
player returns to the beginning of the chapter/
track and the chapter/track is played back
repeatedly.

Press REPEAT B while the
chapter/track to be repeated is
playing. The REPEAT indicator
lights in the display window.

To exit repeat mode:
Press CLEAR. Or press REPEAT B, so that the REPEAT indicator
goes off. Repeat mode is canceled and normal playback continues
from the current point.

To specify a different point in Memory Repeat mode:
Press REPEAT A at the new point. The previously memorized
point is erased and replaced with the new point.

Memory Repeat and A-B Repeat with CDV discs:
These repeat functions can only be carried out within the video
part or within the audio part, and cannot be carried out between
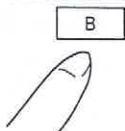the two parts.

With LDs which have no chapter numbers:
Chapter repeat cannot be carried out. With such discs, one side is
repeated by pressing the REPEAT B button once, and both sides
are repeated by pressing it twice.

**To identify the present chapter number and frame (or time)
number**
The numbers are displayed in the front panel display window. The
information can also be displayed on the monitor TV screen by
pressing DISPLAY on the remote control unit.

To repeat an entire side of a disc (for CDs, CDV discs, and single-sided LDs) — One Side Repeat

B

When playback reaches the end of the playback side, the player returns to the beginning of the disc and the same side is played back repeatedly.

Press REPEAT B twice. The REPEAT and SIDE A or B indicators light in the display window.

To repeat both sides of a disc (for two-sided LDs only) — Two Side Repeat

B
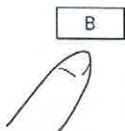
Press REPEAT B three times.
The REPEAT, SIDE and A-B indicators light in the display window.
Sides A and B are played back repeatedly.

To repeat a program — Program Repeat

With the program repeat function, you can repeatedly play programmed chapters or tracks in their programmed order.
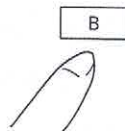● See page 32 for details on programming.

● Repeat playback cannot be carried out with Picture Window programs or One-Shot programs.

B
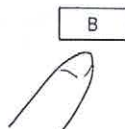
Press REPEAT B while the program is being played.
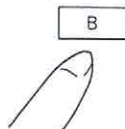
To repeat a random play (for CDs, CDV discs and LD with TOC) — Random Repeat

B

With the random repeat function, you can repeatedly play the chapters or tracks in random order.
● See page 37 for details on random playback.

Press REPEAT B during random playback.

To repeat programmed chapters or tracks in random order — Program Random Repeat

B

With the program random repeat function, you can repeatedly play programmed chapters or tracks in random order.
● See page 37 for details on program random playback.

Press REPEAT B during program random playback.

TO PLAY ONLY THE DESIRED SCENES/TRACKS — Program Playback

The CLD-95 is provided with the following three program functions.

Chapter/Track Program (for CDs, CDVs and LDs):
Up to 24 chapters or tracks can be played in any desired order.

Picture Window Program (for LDs only):
This function allows you to ignore chapter divisions and play desired sections by specifying frame or time numbers. Up to two sections can be programmed.

One-Shot Program (for LDs only):
With this function, up to four different scene locations can be stored in a program. When the program is played, still frames from the scenes are consecutively displayed for 4 seconds each.

Chapter/Track Program playback

● Programming can be performed when the player is in either stop mode or play mode.
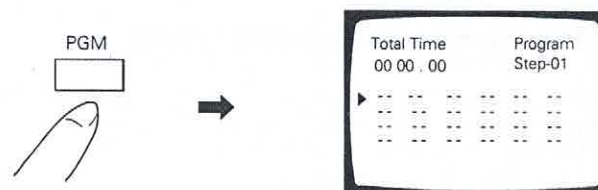
1 LD: Chapter Program
To select Chapter Program mode, press the PGM button and then press the "1" button.
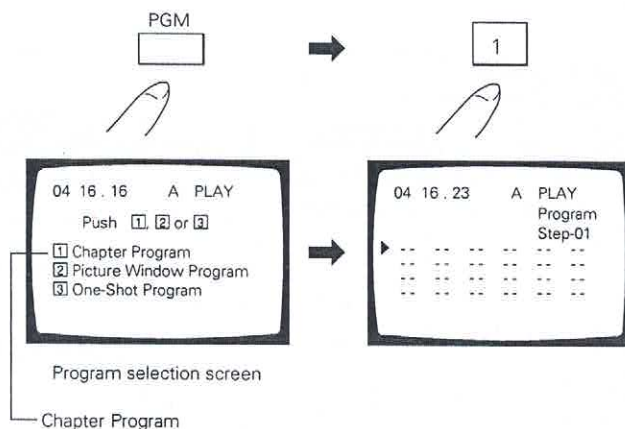
CD, CDV: Track Program
To select Track Program mode, just press PGM.

Programming a pause:
Inserting a pause in your program can be very useful when carrying out recording.
● 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.
● Inserting pauses in a program will also allow you to record blank sections on a tape which are useful for music search functions, or to record narration between selections, etc.
● To resume program playback when the unit is in pause mode, press PAUSE.

To program a pause:
In step 2 of the above procedure, press PAUSE instead of entering a chapter or track number.

Programmed pause indication:
"II" is displayed on the screen.

Notes:
● A pause cannot be programmed at the beginning of a program (Step-01), and two pauses cannot be programmed one after the other.
● A pause inserted in a program is counted as one step.

To go to the previous or next chapter/track in a program:
Press ◄◄ or ►► SKIP.

Total time display (CD/CDV):
When programming for CD or CDV, the total time of the programmed tracks is displayed. If the total time exceeds 100 minutes, 100's digit will not be displayed in the display window of the front panel. (On the TV screen, the total time will be displayed with 100's digit.)

When the program selection screen does not appear:
Once a program has been created, the program remains in the player's memory, and the contents of that program are displayed when PGM is pressed. To erase the previous program and return to the initial screen (step 1), press PGM again and then press CLEAR.
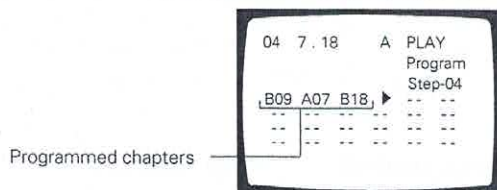
2 Select the desired chapters or tracks.

With two-sided LDs, first specify side A or side B with the DISC SIDE A or B buttons and then enter the number of the desired chapter with the digit buttons.
Example: To program chapter 9 on side B, chapter 7 on side A, and chapter 18 on side B, in that order:
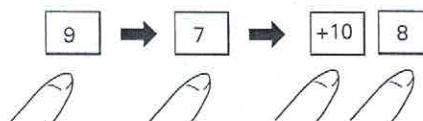

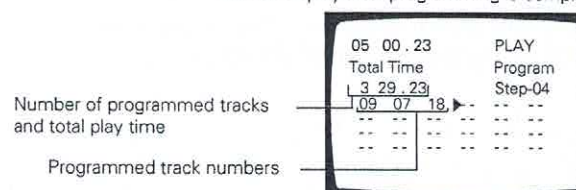Screen display after programming is completed
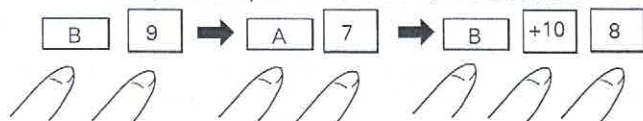
Programmed chapters

With single-sided LDs, CDs, and CDV discs, just enter the number of the desired chapter or track with the digit buttons.
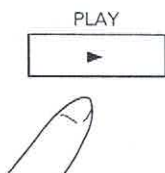**Example:** To program CD tracks 9, 7, and 18, in that order:

Screen display after programming is completed

Number of programmed tracks and total play time

Programmed track numbers

3 Press PLAY.

PLAY

The chapters/tracks are played in the programmed order. When all programmed chapters/tracks have been played, the player enters stop mode.

To modify the program contents

To erase a programmed chapter number, track number, or pause
1. Press PGM.
2. Use |◄◄ and ►►| SKIP to move the cursor (▶) to the left side of the chapter number, track number, or pause to be deleted.
3. Press CLEAR.

To change a programmed chapter number, track number, or pause
1. Press PGM.
2. Use |◄◄ and ►►| SKIP to move the cursor (▶) to the left side of the chapter number, track number, or pause to be changed.
3. Enter the new chapter/track number with the digit buttons. To enter a pause, press PAUSE.
4. Press PGM to complete programming.

To stop program playback:
● Press STOP on the front panel or EJECT on the remote control unit, or ...
● Press CLEAR on the remote control unit.

To erase the program contents:
● Open the disc table, or ...
● When the unit is in stop mode, press CLEAR.

Note concerning program modification
● It is not possible to erase or change a programmed chapter or track while that chapter or track is being played.

To check the programmed contents in the display window:
● Programmed chapter and track number are shown in the visual calender.

Notes:
● *If the shuttle ring is used to fast-forward or fast-reverse (scan) during program playback, the playback position will move to another chapter/track, but when the shuttle ring is returned to its home position, the next chapter/track in the program will be played.*
● *If ► MULTI SPEED is pressed during program playback, the unit will enter multi-speed playback mode and the playback position will move to successive chapters according to the order of the program.*
  If ◄ MULTI SPEED is pressed during program playback, multi-speed playback will begin in the reverse direction but program playback will not be carried out.
● *Do not program chapter/track numbers which do not exist on the disc, as this may inhibit execution of the program.*
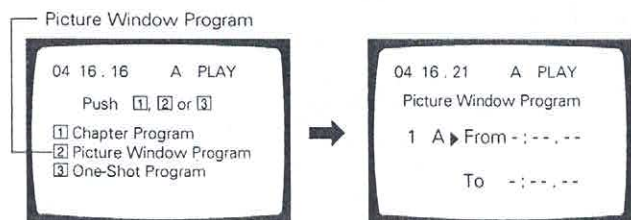
● Programming is carried out during playback.

1 Start playback.

PLAY

▶
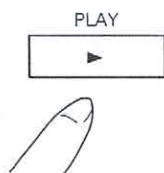
2 To select Picture Window Program mode, press the PGM button and then press the "2" button.

PGM ➡ 2

┌─ Picture Window Program

```
04  16 . 16      A   PLAY

Push  ①, ② or ③

① Chapter Program
② Picture Window Program
③ One-Shot Program
```
➡
```
04  16 . 21      A   PLAY
Picture Window Program

1  A ▶ From - : - - . - -

To   - : - - . - -
```

3 Press SEARCH at the start point of the section you wish to program.

SEARCH

Example where SEARCH is pressed at the 7 minutes 18 seconds position.

```
04  7 . 18      A    PLAY
Picture Window Program

1  A ▶ From  0 : 07 .18

To   - : - - . - -
```
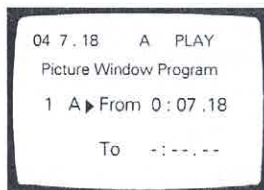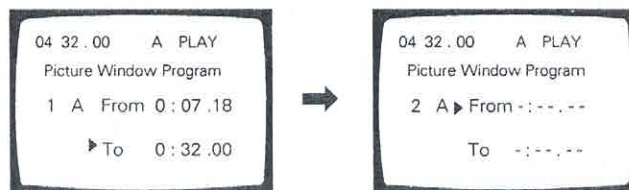
4 Press SEARCH at the end point of the section you wish to program.

SEARCH

Example where SEARCH is pressed at the 32 minutes 00 seconds position.

The unit enters input mode for the second program.

```
04  32 . 00      A   PLAY
Picture Window Program

1  A  From 0 : 07 .18

▶ To     0 : 32 .00
```
➡
```
04  32 . 00      A   PLAY
Picture Window Program

2  A ▶ From - : - - . - -

To     - : - - . - -
```

● If you wish to program another section, perform steps 3 and 4 again.

5 Press PLAY.

PLAY

▶
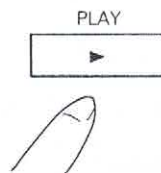
Playback begins from the start point of the programmed section and stops when the end point is reached. If two sections have been programmed, the second section is played automatically after the first section is completed.

To quickly locate and specify start and end points:
● Use the shuttle ring to scan the disc to locate the start and end points and press SEARCH to memorize the points. Or ...
● Use the digit buttons to directly enter the time numbers (CLV) or frame numbers (CAV) for the start and end points.

When the program selection screen does not appear:
Once a program has been created, the program remains in the player's memory, and the contents of that program are displayed when PGM is pressed. To erase the previous program and return to the initial screen (step 1), press PGM again and then press CLEAR.

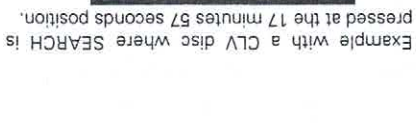**To verify the contents of the program currently being played**
During program playback, press DISPLAY to activate the screen display and then press PAUSE.
Chapter/Track Program: The number of the chapter/track currently being played and the numbers of chapters/tracks which have not yet been played are displayed in reverse-video, and the numbers of chapters/tracks which have already been played are displayed normally.
Picture Window Program: The time/frame numbers of the start and end points of the section currently being played are displayed together with "1" or "2" to designate the section.
One-Shot Program: All of the program contents are displayed with the cursor (▶) indicating the time/frame number currently being played.

One-Shot Program playback (for LDs only)

1 Start playback.

● Programming is carried out during playback.

2 To select One-Shot Program mode, press the PGM button and then press the "3" button.

PGM → 3

One-Shot Program

```
04 16. 16    A   PLAY
Push ① ② or ③
 ┌ ① Chapter Program
 ├ ② Picture Window Program
 └ ③ One-Shot Program
```

→

```
04 16. 21    A   PLAY
One-Shot Program
▶ 1
  2
  3
  4
```

To quickly locate and specify scenes:

● Use the shuttle ring to scan the disc to locate desired scenes and press SEARCH to memorize their location.

● You can also carry out direct chapter search using the digit buttons.

● If you press CHP/TM while in One-Shot Program input mode, the search input display will appear, but the screen will return to the One-Shot Program input display when the search begins, allowing you to continue programming.

Note:

With CLV discs, the scene at which you pressed SEARCH may differ slightly from the scene which is actually displayed as a still frame. This is due to the fact that, although a fast-moving scene may display a number of different scenes within a period of one second, the scene location stored when you press SEARCH is stored in 1-second units. Also, with discs which are not encoded with seconds, the frame which is stored in memory may be completely different than the scene which was displayed when SEARCH was pressed.

3 Press SEARCH at the scene you wish to program.

SEARCH

Example with a CLV disc where SEARCH is pressed at the 17 minutes 57 seconds position.

```
04 17. 57    A   PLAY
One-Shot Program
1  A  0: 17. 57
▶ 1                 ─┐
  2                  ├ Up to four scenes can be
  3                  │ programmed.
  4                 ─┘
```

● If you wish to program another scene, perform steps 2 and 3 again. Up to four scenes can be programmed in this manner.

● The shuttle ring can be used to scan the disc to quickly locate the scenes you wish to program.
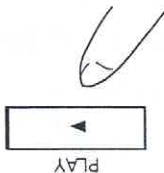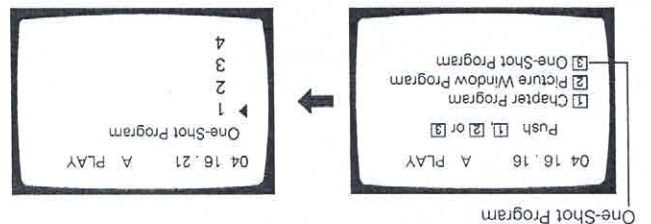
4 Press PLAY.

PLAY

The programmed scenes are located and displayed on the screen as still frames for 4 seconds each in the programmed sequence. After the last scene is located and displayed, the player returns to the first scene and operation stops with the still frame of the first scene displayed on the screen.

To start playback from a desired scene:

You can skip to the next scene in the program by pressing ▶▶ SKIP, and you can skip to the previous scene in the program by pressing ◀◀ SKIP. When the desired scene is displayed on the screen, press PLAY. Normal playback begins from that location.

To modify the contents of a Picture Window program or a One-Shot program:

To erase a programmed frame/time number or section
1. Press PGM.
2. Use ◀◀ and ▶▶ SKIP to move the cursor to the left side of the frame/time number or section to be deleted.
3. Press CLEAR.

To change a programmed frame/time number or section
1. Press PGM.
2. Use ◀◀ and ▶▶ SKIP to move the cursor to the left side of the frame/time number or section to be changed.
3. Move to the new scene to be programmed.
4. Press SEARCH.
The new program contents appear on the display.

PROGRAMMING TRACKS TO BE PLAYED BACK WITHIN A SPECIFIED TIME PERIOD — Auto Program Editing

For CD, CDV editing.
LD's editing is not possible.

If the playing time is specified, the tracks are automatically programmed into the player within the designated time. It is very useful for recording starting from the first track. It is very useful for recording on tape.

Open the front panel by pushing on the section indicated by the "DOOR OPEN" label.

1 Press AUTO PGM EDIT button.

AUTO PGM [EDIT]

- When the AUTO PGM EDIT button is pressed during playback, the player enters pause mode.

2 Set the playing time in minutes with the digit buttons (0 - 9).

DIRECT SEARCH [+10] [1] [2] [3] [4] [5] [6] [7] [8] [9] [0]
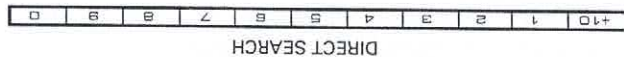
To enter 10 minutes or above:
Press two digit buttons rapidly. For example, to enter 46 minutes, press [4] and [6] sequentially.

- To program the second Editing Time, repeat steps 1 and 2.

3 Press PLAY/STILL button.

[▶◀/◀] PLAY/STILL

Program playback starts.

When only one program is enterd:
When playback of the program is completed, the player enters stop mode.

When two programs are enterd:
When playback of the first program is completed, the player enters pause mode. To play the second program, press PLAY ▶ or PAUSE ‖. When all programs have been played, the player enters stop mode.

Visual calendar display
The left visual calendar indicates the selections of the first program.
The right visual calendar indicates the selections of the second program.

CAUTION:
With discs contained 32 tracks or more, the programming may not be correctly performed.

To clear program contents:
Press CLEAR.

To specify the first track to be programmed:
Only the track to be played first can be specified.
1. Press AUTO PGM EDIT.
2. Select the desired track by pressing SKIP ◀◀ or ▶▶.
3. Set the playing time with the digit buttons.

If the specified time is too short for any track to be programmed:
Programming cannot be performed.

TO PLAY ALL CHAPTERS/TRACKS IN A RANDOM ORDER
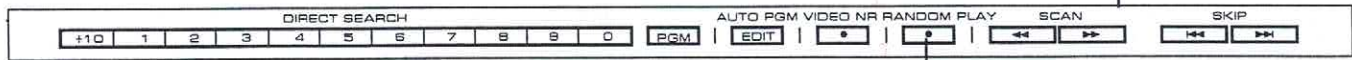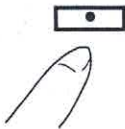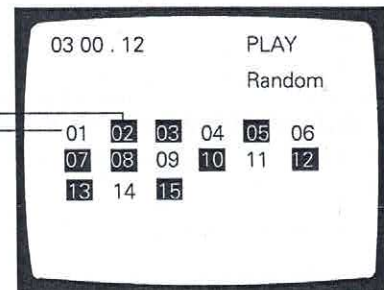## — Random Playback
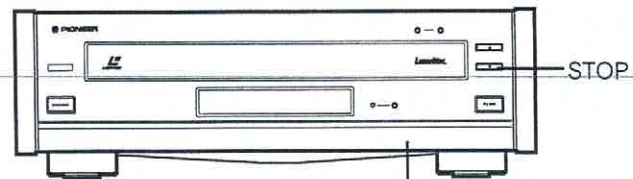
—STOP

the RANDOM PLAY button

Random Playback allows all chapters/tracks in random order.
Press RANDOM PLAY on the front panel.

RANDOM PLAY

Display during Random Play (CD)
To display the music calender, press DISPLAY on the remote control unit so that the display shows time display.

Track to be played (reverse display)

Track has been played (normal display)

```
03 00 . 12          PLAY
                    Random

01  02  03  04  05  06
07  08  09  10  11  12
13  14  15
```

Tracks to be played

NOTE:
With Random Playback, chapter No. 0 will not be played.

To go to the next chapter/track during Random Playback:
Press ►►I.
(The previous chapter/track cannot be played by pressing I◄◄.)

To stop Random Playback:
Press CLEAR on the remote control unit.
After CLEAR is pressed, playback will continue in the order in which the chapters/tracks are recorded on the disc.

To enter stop mode:
Press ■ or ■/▲.

Random Playback with CDV discs:
Tracks in the video and audio part are played in a random order.

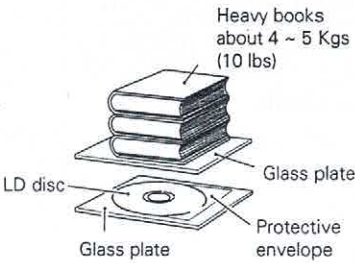**Program Random Playback:**
To play the programmed chapters/tracks in random order, press RANDOM PLAY during program playback.

TROUBLESHOOTING

Incorrect operations are often 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. Inspect the other components and electrical appliances being used. If the trouble cannot be rectified even after execising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

SYMPTOM	CAUSE	REMEDY
1. Disc table is not ejected when OPEN/CLOSE button is pressed.	● Power cord is not properly plugged into AC wall socket. ● Power switch is not turned on.	● Plug in power cord. ● Turn on power switch.
2. Disc table comes out.	● Disc is dirty. ● The disc is not properly set on the disc table. ● Moisture has condensed on parts in the player. ● Disc is warped.	● Clean disc. ● Set the disc properly. ● Remove disc and let player stand for 1 to 2 hours until it is dry. ● Try to alleviate the warp. (Refer to Symptom 7, remedy column.)
3. Remote control does not work.	● The CONTROL IN terminal on the rear panel is connected to pioneer projection monitor or AV control center. ● Batteries are weak. ● There is an obstacle between the player and the remote control unit. ● Remote control unit is not in a good location for transmission.	● Aim the remote control unit at the projection monitor or AV control center. ● Replace batteries. ● Remove the obstacle or shift the remote control position. ● Operate the remote control unit in front of the player.
4. Operation of the remote control unit causes the TV to operate improperly.	● Some TV sets have remote control functions that operate improperly in response to the remote control unit of the player.	● Move the TV and the player further apart, of cover the remote sensor of the TV during disc playback.

SYMPTOM	CAUSE	REMEDY
5. Disc is rotating but there is no picture. Or the quality of the pecture is bad.	• The TV set is not turned on. • Wrong connections from player to TV. • The plugs of the connection cords are not fully inserted, or are disconnected.	• Turn on TV. • Make correct connections. • Make sure that connections are made correctly.
6. Picture continuously moves vertically.	• The TV vertical hold control is not adjusted properly.	• Adjust vertical-hold control on TV.
7. Particular disc does not playback properly. The playback stops in the middle of the disc program.	• The playing surface of the disc is dirty. • The disc is warped.	• Use a soft cloth and lightly wipe off the dirt from the surface of the disc. If necessary, moisten a cloth with diluted neutral detergent to remove heavy dirt of fingerprints. • LD discs only Put the disc into the protective envelope, then place it on a flat desk top. Subsequently, place a flat board e.g. glass plate on the disc, and load it with about 4 ~ 5 kgs (about 10 lbs). If it is left in this state for one day, sometimes the warp will alleviated.
8. Sound is unnatural or distorted.	• CX system is turned ON for disc which has no mark.	• Press CX to turn CX system OFF.
9. No sound output during playback.	• MULTI-SPEED or STILL/STEP playback is being performed. Sound is output only during the normal play mode. The audio signals are not output during other playback modes.	• Press PLAY to set the player to normal play mode.

SYMPTOM	CAUSE	REMEDY
10. During STILL playback, a part of the screen image shakes.	———————	• Even if the disc is a standard play disc, there may be some cases in which a fully still image cannot be obtained, but this does not mean that the player or the disc is defective.
11. CHAPTER SKIP, CHAPTER PROGRAM PLAY and CHAPTER NUMBER SEARCH cannot be performed.	• Disc in which no chapter numbers are recorded is loaded.	• Press DISPLAY to check if chapter number is displayed.
12. Certain discs take too long to start or do not start.	• It takes time to read the recorded code, depending on the disc.	• Press CLEAR and picture will appear. (At this point, a slightly different scene from that which has been searched for may appear.)
13. Certain discs take too long to start or do not start.	• There are errors when the disc code is read (There is no damage to the unit).	• Press STOP and stop the playback. Press PLAY and start the playback again. (Repeat this operation a few times.)
14. The player takes too long to find point A buring A-B (INTERVAL) REPEAT operation.	• Same as item 12 above.	• Same as item 12 above. (The repeat mode is cancelled).
15. Picture other than instructed is searched in TIME NUMBER SEARCH mode.	• Method of inputting numerals in the TIME NUMBER SEARCH mode differs, depending on whether time number is recorded on disc in minutes or minutes and seconds, as shown below: [e.g.] 12-minute search • Disc in which time number is recorded in minutes CHP/TM 1 2 SEARCH "minutes" • Disc in which time number is recorded in minutes and seconds CHP/TM 1 2 0 0 SEARCH "minutes" "seconds"	

SYMPTOM	CAUSE	REMEDY
16. Player stops immediately after playback is started.	• Disc is loaded upside down (CD, CDV, onesided LD discs). • The playing surface of the discs is dirty. • Disc is not properly set on the disc table.	• Load the disc correctly with the label side upward. • Use a soft cloth and lightly wipe off the dirt from the surface of the disc. If necessary, moisten a cloth with diluted neutral detergent to remove heavy dirt or fingerprint. • Set the disc properly.
17. No sound output	• The stereo amplifier is not correctly connected. • You are not operating the stereo amplifier correctly. • The connection terminals and/or the plugs of the connection cords are dirty. • The plugs of the connection cords are disconnected, or are not fully pushed in. • The player is in pause mode.	• Connect the amplifier correctly. • Refer to the operating instructions for the amplifier, and operate the amplifier correctly. • Clean the plugs and terminals and connect again. • Make sure that connections are made correctly. • Press PLAY and restore the player to play mode.
18. Sound is distorted.	• The audio output jacks are connected to the PHONO jacks. • The connection terminals and/or the plugs of the connection cords are dirty. • The plugs of the connection cords are not fully pushed in.	• Connect to the AUX, CD, VDP, LD or VCR jacks. • Clean the plugs and terminals and connect again. • Push the plug in firmly.

Abnormal functioning of this unit may be caused by lightning, 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

System .... LaserVision Disc system and Compact Disc digital aoudio system

Laser .... Semiconductor laser wavelength 780 nm

Power requirements

U.S. and Canadian models .... AC 120V, 60 Hz

Multi voltage model .... AC 110V/120-127V/220V/240V (Switchable), 50/60 Hz

Power consumption 50W

Weight .... 14.2 kg (31 lbs 5 oz)

Dimensions .... 458 (W) x 439 (D) x 148 (H) mm 18-1/16 (W) x 17-5/16 (D) x 5-13/16 (H) in

Operating temperature .... +5°C ~ +35°C (41°F - 95°F)

Operating humidity .... 5% ~ 90% (There should be no condensation of moisture.)

2. Disc

LaserVision Discs

*Maximum playing times

12-inch standard play disc .... 1 hour/both sides

12-inch extended play disc .... 2 hours/both sides

8-inch standard play disc .... 28 min/both sides 14 min/one side

8-inch extended play disc .... 40 min/both sides 20 min/one side

Spindle motor speed

Standard play disc .... 1,800 rpm

Extended play disc .... 1,800 rpm (inner circumference) to 600 rpm (outer circumference) (For a 12-inch disc)

Compact Discs

DISC .... Diameter: 5-inch, 3-inch, Thickness: 1.2 mm

Rotation direction (pickup side) .... Counterclockwise

Liner speed .... 1.2 ~ 1.4m/sec

*Maximum playing time

60 min. or more: 5-inch discs

20 min. or more: 3-inch discs

(For stereo playback)

Compact Discs with Video

Disc .... Diameter: 5-inch, Thickness: 1.2 mm

Rotation direction (pickup side) .... Counterclockwise

Linear speed .... Audio portion: 1.2 ~ 1.4m/sec Video portion: 11 ~ 12m/sec

Maximum playing time .... Video portion: 5 min. (CLV) Audio portion: 20 min. (Digital)

Actual playback time differs for each disc.

3. Video characteristics (2 pairs)

Format .... NTSC spefifications

Video output

Level .... 1 Vp-p nominal, sync. negative, terminated

Impedance .... 75 Ω unbalanced

Jack .... RCA jack

4. S-Video output (2 pairs)

Y (luminance) - Output level .... 1 Vp-p (75 Ω)

C (color) - Output level .... 286 mVp-p (75 Ω)

Jack .... S-VIDEO jack

5. Other Terminals

Control imput/output .... Both miniature jacks

Optical digital output .... Optical digital jack

6. Audio characteristics (2 pairs)

Output level

During analog audio output .... 200 mVrms (1 kHz, 40%)

During digital audio output .... 200 mVrms (1 kHz, –20 dB)

Jacks .... Both RCA jacks

Number of channels 2

Digital Audio Characteristics

Frequency response	4 Hz - 20 kHz (±0.2dB) (EIAJ)
SN ratio	115 dB (EIAJ)
Dynamic range	99 dB (EIAJ)
Channel separation	105 dB (EIAJ)
Total harmonic distortion	0.0017% (EIAJ)
Wow and flutter	Limit of measurement (0.001% W. PEAK) or less (EIAJ)

7. Accessories

Remote control unit (CU-CLD052) 1

Size "AAA" (IEC R03) dry cell batteries 2

S video cord 1

Video cord 1

Audio cord 1

Operating instructions 1

Warranty card 1

Player Functions

- Display ON/OFF, Visual Calender Display
- Random Play, Auto Program Edit
- Display ON/OFF
- Video NR
- Last Memory
- Correspond to LD with digital audio

9. Functions

Remote control unit operations (CU-CLD052)

	Function	Standard play Disc (CAV)	Extended play Disc (CLV)	Compact Disc with Video	Compact Disc
Basic Functions	Two-side play	YES	YES	NO	NO
	Single-side play	YES	YES	YES	YES
	Pause	YES	YES	YES	YES
	Stop	YES	YES	YES	YES
Search	Fast forward and reverse (Jog dial/Shuttle ring)	YES	YES	YES	YES
	Chapter/Track skip	YES	YES	YES	YES
	Direct chapter/Track number search	YES	YES	YES	YES
	Frame number search	YES	NO	NO	NO
	Time number search	NO	YES	YES	YES
Program	Chapter/Track program play	YES	YES	YES	YES
	Picture window program	YES	YES	NO	NO
	One-shot program	YES	YES	NO	NO
	Program correction	YES	YES	YES	YES
Repeat	Repeat between 2 points	YES	YES	YES	YES
	Memory repeat	YES	YES	YES	YES
	Chapter/Track repeat	YES	YES	YES	YES
	One-side repeat	YES	YES	YES	YES
	Two-side repeat	YES	YES	NO	NO
	Program repeat	YES	YES	YES	YES
	Random repeat	YES*1	YES*1	YES	YES
	Program random repeat	YES	YES	YES	YES
Trick play	Still/Step	YES	YES	YES*5	NO
	Multi-speed (Forward/reverse 9-level variable)	YES	YES	YES*5	NO
	Sill with Sound	YES	YES	YES*5	NO
	Strobe motion	YES	YES	YES*5	NO
	Jog dial/Shuttle ring	YES	YES	YES	YES
Time display	Elapsed time display	NO	YES	YES	YES
	ABS display	YES*1	NO	NO	NO
	Remaining track time display	NO	NO	YES*4	YES
	Remaining total time display	YES*1	YES*1	YES	YES
	Total number of selections, total time display	YES*1	YES*1	YES	YES
Others	CX system ON/OFF	YES*2	YES*2	NO	NO
	AUTO DIGITAL/ANALOG switch	YES*3	YES*3	NO	NO
	One-shot memory	YES	YES	YES*5	NO
	Audio channel selection (Stereo, 1/L, 2/R)	YES	YES	YES	YES

*1 Only discs with TOC

*2 Valid for analog sound playing a disc with the ◻🅧 mark.

*3 Can only be used with discs with digital sound tracks.

*4 Audio part only

*5 Video part only

NOTE:

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

LaserDisc. is a trademark of Pioneer Electronic Corporation.