ORACLE

CD Turntable

Owner's Manual

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WARNING Please note that your Oracle CD turntable does not contain any user serviceable parts.
Always consult an Oracle qualified service technician.

IMPORTANT WARNING **CLASS 1 Laser Product.** It is essential that the protective top cover be installed and remains in place until the « No Disc » message appears in the CD display. This also applies should the unit be switched off during a listening session, **NEVER remove this cover** until the « No Disc » or the disc information message appears or re-appears after a new switch-on.

Unpacking your Oracle CD Turntable

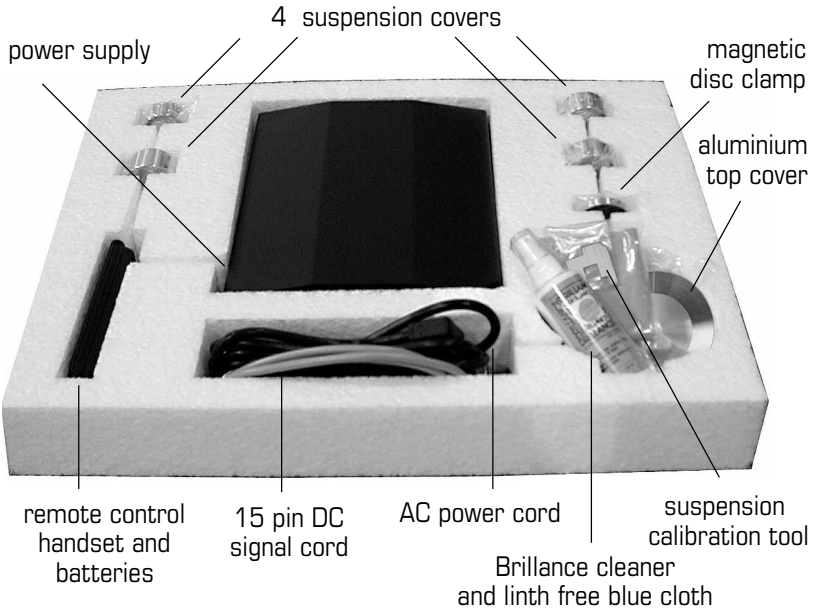
We developed this **packing material** so that your new **Oracle CD turntable** is afforded maximum protection.

It consist of :

- a double layer cardboard box,
- a module of foam packaging for the accessories,
- a wooden frame with internal foam packing, protecting the CD turntable itself. It is very important to preserve this packaging material since it is the only really safe method of transporting your Oracle CD turntable.

Content

The Upper Foam Structure



The Wooden Module

1 CD turntable assembly
1 plinth assembly including :
- 4 suspension towers
- 1 display module assembly

1 main CD turntable chassis assembly
2 main chassis protective foam end caps
1 main chassis hold down « C » shape foam spacer block

Unpacking

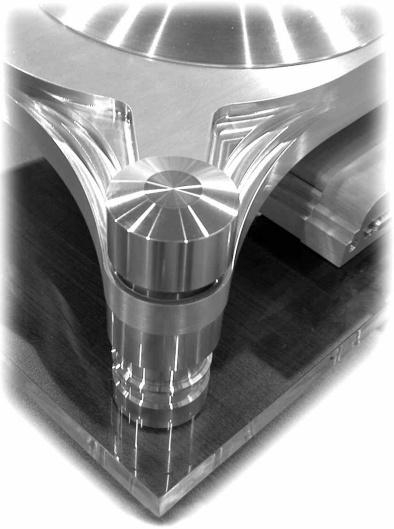
TOOL NEEDED

- Phillips (cross head) or Pozidrive screw driver
- Small needle nose pliers

- Open the external box
- Carefully remove the 4 white foam protection corners
- Turn the brown box on its side so you can pull out the white internal cardboard box
- Carefully slide the white box out and stand it flat with the arrows on the side pointing up
- Open the box first by opening the end flaps then the front
- Remove the white foam layer to access the wooden box, set it aside

Accessories Foam Block

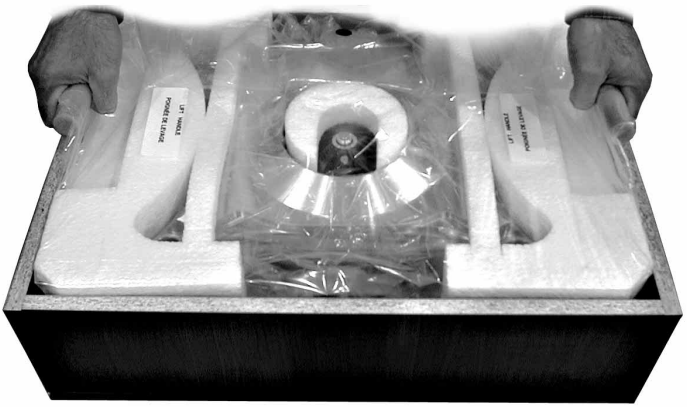
- Remove the power supply, power cord and DC cord, put it aside
- Remove the aluminium top cover and the Brillance cleaner
- Remove the remote control and install the batteries
- Remove the magnetic disc clamp
- Remove the suspension covers and put them to one side for later installation



NOTE The suspension covers will be installed following the suspension fine tuning should this be required.

Unpacking

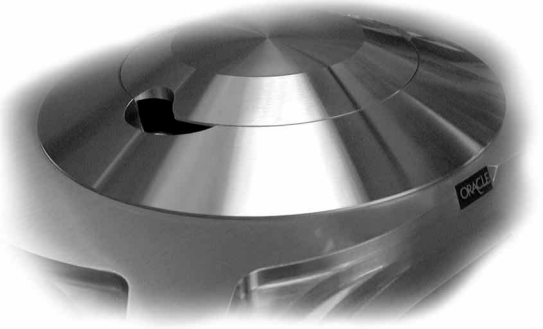
- Remove the wooden top cover using your Phillips screwdriver
- Grasp the plastic protective bag at each end using the handles and lift the whole Oracle player unit out of the box



- Open the plastic bag at one end only and remove the foam protective end cap
- Hold the plinth and slide the CD turntable assembly out of the bag
- Remove the «C» shape, hold down spacer block
- Remove the inner protective bag

NOTE Place the inner bag, the 2 protective end caps and the «C» shape hold down spacer blocks back in the wooden box thus making sure they do not get lost. Put the wooden top cover back on.

NOTE When repackaging, it is important to use this inner protective bag to prevent surface damage to the clear lacquer finish.



CAUTION Do not attempt to lift the main chassis from the suspension towers as this could damage the connecting cable between the display module and the main chassis. If the main chassis needs to be removed, a special technical document is available from **Agence Commerciale A.C.I. Inc.** or your local area distributor. This work should always be carried out by an experienced and competent technician.

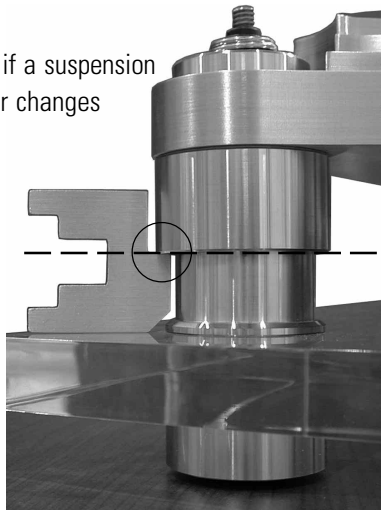
• Place your Oracle CD player on a flat surface to complete the set up procedure.

Suspension Fine Tuning

The suspension of your Oracle CD turntable has been calibrated at the factory but it possibly might require minor fine-tuning before putting the player into service. To help with this we have supplied a suspension calibration tool to assist with accurate measurement and calibration of each suspension tower.

NOTE Before beginning this step, very carefully seat the aluminium top cover above the compact disc in its specially machined recess and position, so that the two finger slots match the one on the player main chassis. The slightly curved section of the finger slots should be facing the front of the unit. This will give a more accurate operational mass of the main chassis.

This picture indicates the **target setting** of the suspension system.



The tool supplied will help you determine if a suspension fine tuning is required. If no or only minor changes need to be performed, you might select to leave the system as is.
At this point, the suspension top covers can be installed and the player moved to its final playing location.
To complete the final leveling of the plinth, it will be necessary to use a spirit level. The leveling will be achieved by ajusting the height of the threaded feet under the plinth.

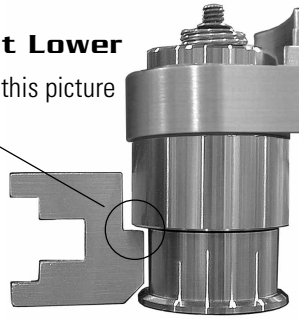
NOTE The reference to clockwise or counter-clockwise is determined by viewing the spring module from above.

Suspension Fine Tuning

To proceed with minor changes to the suspension fine tuning, please read the following information.

Make the Suspension Housing Sit Lower

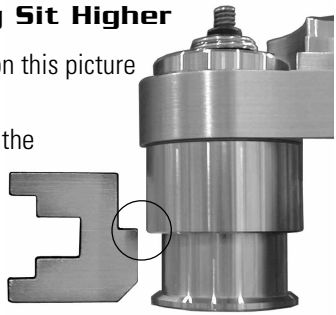
If the suspension housing is sitting to high as on this picture



- With one hand apply a light down pressure to the main chassis while holding the suspension housing
- Rotate the spring counter-clockwise by very small increments until the suspension housing lightly rests against the step on the gauge

Make the Suspension Housing Sit Higher

If the suspension housing is sitting to low as on this picture



- Gently raise the suspension housing with one hand
- Using needle nose pliers, insert the tip of the pliers near the end of the spring and hold it firmly
- While holding the spring to prevent it from turning, rotate by very small increments the suspension housing, couter-clockwise. This will move the spring further out of the spring calibration sleeve thus making the suspension housing sit higher.

NOTE Do not allow the pliers to contact the aluminium parts since this could damage the clear lacquer finish.

IMPORTANT In the unlikely event that your Oracle suspension system may need to be completely recalibrated please refer to the caution on the preceeding page.

- When all suspension towers are fine tuned, install the suspension covers

Connection Procedure

The Analogue and/or Digital Connections

CD Transport

Your Oracle CD transport is equipped with three digital outputs :

- BNC, (75 Ohms) output of 0,5 volt peak to peak
- XLR, AES/EBU (110 Ohms), balanced output of 4 volts peak to peak
- Optical, Hewlett Packard (ST, AT&T - glass) - HP-HFBR 1412

Use the desired output to transfer the signal to your Digital to Analog converter.

15 pin DC input BNC XLR Optical

NOTE We strongly suggest the use of the best possible Digital/Optical Interconnect cable available, your dealer will help you make the right choice.

CD Player

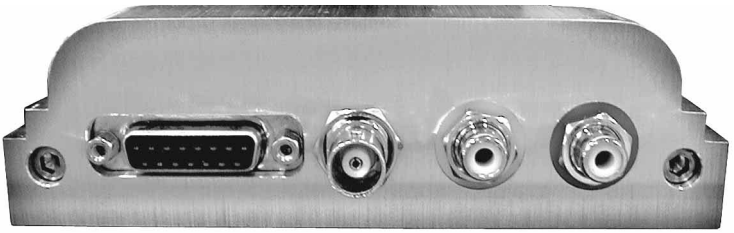
Your Oracle CD Player is equipped with both an Analogue (pair) and a Digital output.

- BNC, output of 0,5 volt peak to peak @ 75 Ohms
- RCA analog output,
- Impedance < 100 Ohms
- Recommended impedance load 50 kOhms (Minimum 5 kOhms)
- Maximum effective output level, 2.4 volts
- Digital to Analog converter type, Delta Sigma
- Resolution 24 Bits

Connection Procedure

Connection to the Pre-Amplifier, CD input

- Connect your pair of RCA terminated Analogue Interconnect cables from the rear of the player to your pre-amplifier Digital input (CD input)



15 pin DC Input | BNC Digital Output | Analogue RCA Outputs

NOTE It is not necessary to use digital output unless connecting to a separate stand alone DAC.

NOTE We strongly suggest the use of the best possible Analogue Interconnect cables available, your dealer will help you make the right choice.

Simultaneous Connection of an External Digital to Analogue Converter

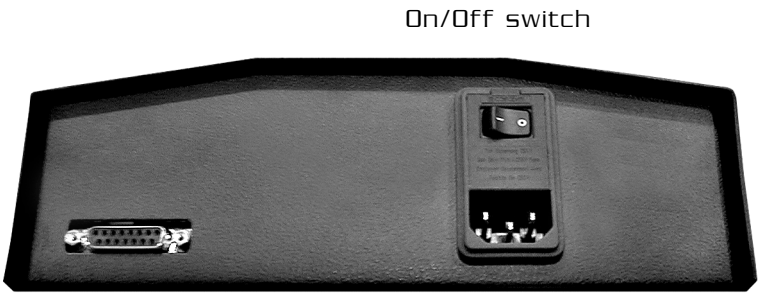
It is possible to simultaneously use the BNC (75 Ohms) Digital output to compare the players internal Digital/Analogue converter, with that of an external (stand alone) D/A converter

- Plug your digital/optical interconnect to the rear of the player and connect it to your stand alone D/A converter
- Connect the Analogue outputs to an « Auxiliary » input at the rear of your pre-amplifier
- Balance the volume between the two D/A converters through the external converter volume control... should this facility be available
- Switch from « CD » to « Auxiliary » so as to compare the two options

WARNING Lower the volume of the pre-amplifier as there could be a major difference in gain, this could cause damage to your loudspeakers.

Power Supply Connection

- Connect the 15 pin DC signal cable to the rear of the CD turntable and secure it with the two locking thumb screws
- Connect the other end to the power supply and secure it as above



- Plug the AC power cord to the IEC socket at the power supply end, and the other end to the line voltage wall socket
- Turn the power supply « ON », indicated by the line (—) on the rocker switch above the IEC socket, the red « L.E.D. » at the front of the power supply will now light up.
  The « OFF » position is indicated by (O) on the rocker switch

IMPORTANT WARNING **CLASS 1 Laser product.** It is essential that the protective top cover be installed and remains in place until the « No Disc » message appears in the CD display. This also applies should the unit be switched off during a listening session, **NEVER remove** this cover until the « No Disc » or the disc information message appears or re-appears after a new switch-on.

The Magnetic Disc Clamp

Operation

- Place the compact disc on your Oracle CD turntable
- Install the magnetic disc clamp

To Remove the Magnetic Disc Clamp

Option 1 **RECOMMENDED**

- Lift the compact disc by holding it from the periphery with the **magnetic disc clamp** installed

Option 2 **CAUTION**

- Lift the magnetic disc clamp straight up. The compact disc will follow because of the adhesion of the Urethane vibration damping trap to the compact disc surface

CAUTION Since the adhesion will diminish as the Urethane picks up dust, it is important to place your hand under the compact disc to prevent it from falling.
Please read the recommended maintenance procedure below.

- Peel the disc from the clamp, this will break the close seal between the Urethane vibration damping trap and the compact disc

Maintenance

Your Oracle player is equipped with a very efficient magnetic clamp. One of the key features of this clamp is the proprietary Urethane compound ring that acts as a vibration damping trap.

NOTE To obtain optimal performance, keep the surface of the Urethane vibration damping trap clean at all times using your Brillance cleaner or denatured alcohol (methylated spirits).

To extend the cleaning cycle to a maximum, we recommend not setting the magnetic disc clamp with the Urethane facing down as dust would very quickly reduce the adhesion to the compact disc, thus lowering the vibration damping trap efficiency.

Safe Operating Instructions

Please Follow these Important Safety Tips for The Safe Operation of Your CD Player

The main Power On/Off switch for your CD Player/Drive is located on the rear of the power supply.

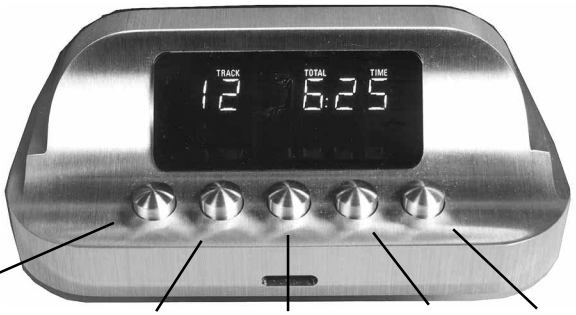
NOTE Do not activate this switch until you have read the instructions listed below.

1. Before switching on your CD Player/Drive it is essential that the aluminium top cover be correctly installed and remain in place until the CD display indicates the « No Disc » message.
2. To start playing a CD : remove the aluminium top cover ; select the CD you wish to play and place it on the CD turntable. Install the magnetic clamp and replace the top cover.
3. Press the Reset button and wait for the disc information to appear in the main CD display. The information will show the number of tracks on the CD and the total playing time.
4. Press « Play » and adjust the volume control on your pre-amplifier, sit back, and ***ENJOY PURE MUSIC !***
5. To change a CD, press Stop, the CD display will once again show the disc information. Remove the aluminium top cover, lift your CD using one of the methods described earlier. Gently peel the clamp from the CD. Select your next CD and place it on the CD turntable as described above. Having placed the disc on the turntable, the display will still show the details of the previous CD played until you press the Reset button, only then will the new disc information be displayed.

These instructions may seem extremely basic, but they must be followed exactly to ensure safe operation of this product.

Display Keyboard Function Selector

The display module is equipped with five selector buttons



Disc Reset | Down [-] | Up [+] (Track Selector) | Play | Stop

Operation Instructions

- Place a compact disc over the centering device of your CD turntable
- Position the magnetic disc clamp over the centering device and make sure it is well seated
- Very carefully seat the aluminium top cover over the compact disc in its specially machined recess and position it so the two finger slots match the ones on the player main chassis. The slightly curved section of the finger slots should be facing the front of the unit

The performance of the Oracle CD turntable is significantly improved by using the aluminium top cover whenever the player is in use. It provides a darker environment for the laser diode to more accurately pick up signals from the spinning compact disc.

To Play a Compact Disc

- Press the « Disc Reset » function selector to initialize the selected disc. This operation must be repeated every time a different compact disc is used
- Select the track to be played by pressing the « Up » or « Down » function track selector
- Press « Play » and adjust the volume control on your pre-amplifier, sit back, and ***ENJOY PURE MUSIC !***

To Play a Different Compact Disc

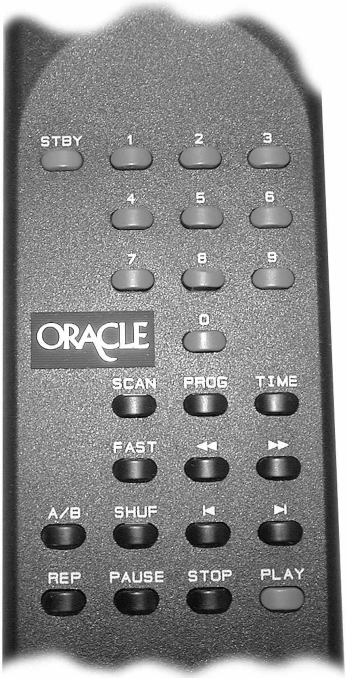
- Press the « Stop » function selector and repeat the « **To Play a Compact Disc** » procedure
- Remove the aluminium top cover and put it to one side

IMPORTANT Press the « Disc Reset » function selector every time a new compact disc is placed on the CD turntable, so it can be properly initialized.

Remote Control Operation

For your convenience and to increase ease of use, your new Oracle CD Player/Drive is supplied with an Infra-red remote control facility. To enable you to reap the benefit of this facility please spend a few minutes reading these simple instructions.

Beginning at the top, or front of the handset the various buttons (function keys) will be described on the left of the page. What the button does and how to do it is described on the right of the page.



FUNCTION KEY	WHAT IS DOES & HOW TO DO IT
•Red Button• **(STBY)**	This is the Standby button and this allows the display screen to be turned off as if the unit was out of service. Whilst the player looks as if it is switched off, the optimum operating temperature is maintained. PRESS the **STBY** button once and the display goes out. PRESS the **STBY** button again and this will have a similar effect as pressing the « Disc Reset » on the display keyboard function selector to initialize the selected disc. If the unit was in a Standby mode after using the **STBY** button, it must be pressed again so the player can resume the operational mode.
•Numeric Buttons• **(1 – 0)**	These buttons relate to the track numbers on your CD, and run from 1 through 9, the 0 button becomes 10 by pressing first 1 then 0. The player is able to play, merely by pressing a combination of two buttons any track on a CD that may contain anything up to 99 tracks.

Remote Control Operation

FUNCTION KEY	WHAT IS DOES & HOW TO DO IT
•Scan Button• **(SCAN)**	This button permits you to **SCAN** a CD to find a particular track. PRESS this button once and it plays the first few seconds of every track in numeric order. Once you have heard the track you want, press the button again and your chosen track will play from the beginning.
•Programme Button• **(PROG)**	This button allows you to select various tracks of a CD and play them in your chosen order. To use this function you first select a track number using the numeric buttons, having selected the track number press **PROG**. Move on using the numeric buttons to your next selection and again press **PROG**. Repeat this operation until you have programmed as many or as few tracks as you want. The track selection will play in the order in which you have entered the track numbers.The **PROG** function is cancelled by pressing **STOP**.
•Time Button• **(TIME)**	This button allows you to view various **TIME** options. The default setting will indicate the number of tracks and the total running time of the disc is displayed. PRESS **PLAY** and the elapsed time of the track playing will show. Press **TIME** once and the elapsed running time of the disc will show. Press **TIME** again and the remaining running time of the disc will show.
•Fast Button• **(FAST)**	This button is located next to both, the track search forward ►► and track search back ◄◄ buttons. PRESS the **FAST** button to double the search speed before pressing the ►► and ◄◄ buttons. The sound heard in order to find a particular section of track will be more difficult to identify using the **FAST** mode.
•Search Buttons• **(◄◄ ►►)**	This function allows you to search forward or backwards through a track, or the complete CD at approximately 10 times normal speed. It is possible to hear the track/CD whilst doing this enabling you to find a specific part of a track/CD. PRESS ◄◄ and the search runs back from where you are. PRESS ►► and the search runs forward from where you are.

Remote Control Operation

FUNCTION KEY **WHAT IS DOES & HOW TO DO IT**

•A/B Button•
(A / B)

This button allows you to repeat a section of a track or the CD. To do this, listen for the starting point of the section you want to repeat and PRESS the **A/B** button once. Let the section run to where you want the repeated section to end, then PRESS the **A/B** button once more. The selected section will now continue to repeat just that section until you cancel the command by pressing **STOP**.

•Shuffle Button•
(SHUF)

This command causes the track playing order to be played non numerically ascending. Instead of the tracks being played from 1 through to say 10, it will play the tracks in a random order.
The track play order cannot be determined by the user when using this function. This function must be chosen before the **PLAY** button is pressed. The disc information will be displayed on the main display screen. PRESS **SHUF** and the random track play order will be displayed along the bottom of the main display screen. PRESS **PLAY** and the randomly selected order will start playing.

•Previous Track•
(⏮)

This button has two functions, and is marked ⏮. PRESS once and the track being played will start playing from the beginning again. PRESS ⏮ twice quickly and the previous track on the CD will play from the beginning.

•Next Track•
(⏭)

This button only has one function, and is marked ⏭. PRESS this button once and the next track on the CD will begin playing. Each time you press this button, the next track on the CD will begin to play in the normal ascending numeric order, or the next programmed selection if you have used the **PROG** option. If in the **SHUF** mode the next randomly selected track will begin to play.

Remote Control Operation

FUNCTION KEY	WHAT IS DOES & HOW TO DO IT
•Repeat• **(REP)**	This function permits continual repeat playing of the track being played by pressing the **REP** button once. PRESS the **REP** button twice and the WHOLE disc will be repeated until the **REP** button is pressed again cancelling the repeat function. The **REP** function can also be used if **PROG** or **SHUF** modes have been selected, and works in exactly the same way. PRESS once and the track being played will repeat, PRESS twice and ALL the programmed selections **PROG**, or the random play order **SHUF**, will be repeated. PRESS **REP** again and the selection will play as normal without repeating, from the point at which the **REP** function was cancelled.
•Pause• **(PAUSE)**	This function suspends the playing of the CD at the exact point that the **PAUSE** button was pressed. This mutes the sound completely. PRESS **PAUSE** again and play resumes from the exact point it was originally suspended.
•Stop• **(STOP)**	This function stops the CD turntable from spinning and the laser from reading the digital information on the disc. It also cancels all programmed functions and enables the current disc to be removed. The CD turntable is now ready to accept another disc, or to be switched off at the end of the current listening session.
•Play• **(PLAY)**	The **PLAY** function is used to start a new listening programme. When a CD is placed on the turntable the **PLAY** function will not operate until one of the two following funtion is activated : a) The **RESET** button on the CD Player/Drive has been pressed. b) The **STBY** button on the remote control handset is pressed twice. This starts the turntable spinning and the disc information is read by the laser. The disc information will then appear on the main display screen. Once the disc information is displayed, it is possible to play the CD by pressing the **PLAY** button on the remote control handset.

Routine Cleaning of the Laser Lens

WARNING Extreme care is required when carrying out this procedure, the drive and lens mechanisms are extremely delicate.

Routine Cleaning

Cleanliness is essential in order to maintain optimum performance. Routine cleaning of the laser lens should be carried out weekly in the following way :

1. Turn off the power to the CD Player using the switch on the rear of the power supply.
2. Unplug the supply power cord from the wall socket.
3. Remove the aluminium top cover and the magnetic disc clamp.
4. Using a clean cotton bud/Q-tip dampened with denatured alcohol (methylated spirits) very, very gently wipe the laser lens.

WARNING Do not allow the spirit to drip into the mechanism).

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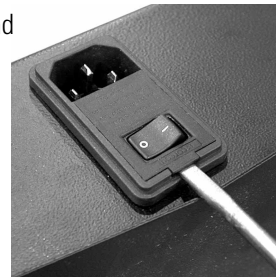
Fuse Replacement

If the power supply is connected to the line source and the switch is in the (ON) position the red «L.E.D. » located at the front of the unit will glow. If it does not glow make sure the line signal coming from the wall outlet is operational.
If everything is normal, follow the procedure below to proceed to the replacement of the line input fuse.

- Switch the power supply to the « OFF » position
- Unplug the AC power cord at the power supply end
- Use a flat blade screw driver and insert it in the slot at the top of the IEC socket to open the flap as shown on the picture
- Use the same flat blade screw driver to gently extract the fuse holder



- Using a continuity tester check the fuse for continuity. Continuity means « good fuse ». No continuity means « fuse no good »
- Make sure to reinsert the fuse holder in the same direction as the arrow inside the cover

NOTE There are 2 fuses inside the IEC socket, the one under the « O » is the one in the signal path. The fuse under the (–) is a spare.

- Close the flap until it snaps in a fully closed position
- Plug the AC power cord at the power supply end
- Switch the power supply to the « ON » position

Fuse Types

CD Drive
- 100 to 120 volts fuse type - GMC 200ma @ 250v
- 220 to 240 volts fuse type - GMA 200ma @ 250v

CD Player
- 100 to 120 volts fuse type - GMC 2amps @ 250v
- 220 to 240 volts fuse type - GMC 1,25amp @ 250v

IMPORTANT NOTE If the fuse keeps blowing, it might be an indication of a defective power supply unit, please contact your dealer for advice. Do not use a different value fuse than recommended.

Notes

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