OPERATION & TROUBLESHOOTING

Dual Disc II •

Azuradisc®
Disc Care & Repair

SAFETY

When using the Azuradisc Dual Disc II disc repair machine, the following basic safety precautions should always be followed to reduce the risk of fire, electric shock, or injury to persons:

- Read this manual before assembling or using the machine.

- Use this machine only for its intended use as described in this manual.

- Use only with Azuradisc-recommended accessories and repair materials. (The use of repair materials not approved by Azuradisc may damage discs permanently or cause injuries.)

- Pay close attention when the machine is used near children. The machine is not intended for use by children.

- Do not operate the machine if the cord or plug is damaged, is not working properly, has been damaged, or immersed in water. If these conditions are present, return the machine to Azuradisc for examination, repair, or adjustment.

- Do not drop or insert objects into any openings.

- To disconnect, turn off the machine, then remove plug from the electrical outlet.

- Use a grounded plug when using an extension cord.

- Keep fingers and all body parts away from moving parts and openings.

- Disconnect electrical supply before cleaning.

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Azuradisc Inc. is not responsible or liable for damage, of any type, to discs inserted into an Azuradisc machine. If you believe that an Azuradisc machine is malfunctioning, discontinue use and contact Azuradisc or an authorized representative.

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OUT OF THE BOX

After unpacking the Dual Disc 2, verify the following items, in the quantities shown, are included. Contact Azuradisc, or the local representative if any items are missing. Place the machine on sturdy surface. Ensure there are no obstructions of air circulation around the bottom and rear of the machine. Ensure that unused cartridges are not stored directly behind the Dual Disc.

1/8 inch fiberglass

1 ea. - Base Head Assy - 1/8 inch fiberglass
Used with the black 1/4 inch Polishing Pad.
Item # **ph_02577_6**

1 ea. - PoliCool^{TM} **v3.0 Cartridge Kit**
Includes 64oz of PoliCool, and 1 Pad.
Item # **dd_02557_8** (Sold as a Kit)

(Combo Item)
1 ea. - Micro-Fiber Wiping Cloths 6x6 - Hand washable and reusable super soft material to clean optical surfaces.
1 ea. - Optical SprayCleaner 2oz.- Laser clear anti-static formula spray cleaner.
Item # **CK 00262 3**
1 ea. - Maintenance Kit - Small Brush and white lithium grease.
Item # **CK 00262 3**

1 ea. - Power Cord

1 ea. Scratch Removal Poster
Item # **adv_00222_7**

PART IDENTIFICATION

A Access Door:
• Policool^{TM} Cartridge
• Easy access to PoliCool^{TM} pump
• Easy access to PoliCool^{TM} radiator

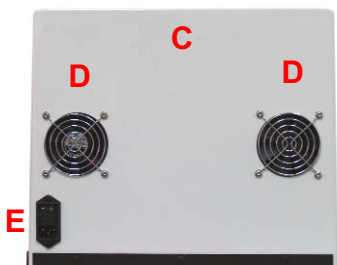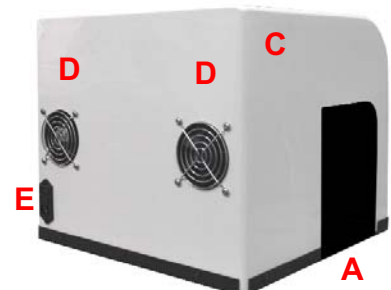**B** Safety Lid:
• Automatic shut-off when open

C Fiberglass Casing
• Will not conduct electricity
• Waterproof
• Easy to clean

D Rear mounted cooling fans

E AC recepticle
• Industrial Strength
• Fused
• On/Off Switch

F Electronic Controller

CAUTION!

Make sure there is adequate room for air flow behind and underneath the machine AT ALL TIMES!

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Important Information
About PoliCool™ & Smart Chip Technology

What is PoliCool™ ?
PoliCool™ is an advanced formula of micro-abrasives particles, along with a cooling solution and other proprietary ingredients mixed together in a single liquid to provide maximum scratch removal and polishing properties.

Performance
PoliCool™ outperforms polish compounds in cut rate & finish. PoliCool™ lasts longer than most fixed abrasives. One of the greatest benefits of PoliCool™ is that it can be recycled over and over (with filtering) until it has reached the end of its useable life. This creates the benefits of cooling a disc during repair without creating wastewater, or having a complex recirculation system. There is no need to add water, or clean up messy polish compound splatter or dust from the machine similar to those used in "water based" or "dry process" machines. PoliCool™ is automatically recycled back into the cartridge at the end of the cycle.

Usable Life
The performance and life of this product is measured in seconds run time. Different size containers and mixtures contain a smart chip with the information containing the maximum "seconds of run time" per cartridge. If PoliCool™ were used beyond this life, poor performance would result, and disc damage could occur. Since product life is critical to performance, Policool™ is only sold in containers called cartridges that contains a smart chip.

About the Smart Chip IMPORTANT MUST READ INFORMATION
Each PoliCool™ cartridge is outfitted with a smart chip that carries the information about the maximum useable life (run time) of each individual cartridge. Azuradisc disc repair machines that use PoliCool™ technology are outfitted with a smart chip reader that reads and transfers the "run time" information from the cartridge to the disc repair machine. Once transferred, the runtime information cannot be transferred back to the PoliCool™ cartridge, nor can it be transferred to a different machine. To get maximum life out of each PoliCool™ cartridge, it must be completely used before replacement. Once a cartridge has been mated with a machine, only that machine (not the cartridge) keeps track of the credits of repair seconds and assumes that the same cartridge stays in place to be used until that repair time is used-up. The cartridge itself is no longer able to identify itself or to provide left-over credits to this or any other machine.

While it is possible to remove a partially used cartridge from the machine (for transportation or to shake and mix the liquid) it is important that the same cartridge is reinserted in the same machine to be able to use-up the remaining credits.
PLEASE NOTE:
     - Inserting a new cartridge in a machine that still has credits left from a previous cartridge will ERASE the original credits left from the previous cartridge and replace them with the credit for the new cartridge.
     - Inserting a partially used cartridge in another machine will not transfer any credit.

Azuradisc does not provide refunds or credits for losses due to premature replacement of PoliCool™ cartridges or the improper exchange of cartridges between machines.

SET UP - SUPPLIES - CARTRIDGE & PAD PLACEMENT

To be performed initially and each time you replace the consumables.
IMPORTANT! Always change the abrasive pad when starting a new cartridge.

1 Turn PoliCool upside down..Shake vigorously making sure all sediment is mixed. Store lid for re-shaking.

2 **With machine turned off, and lid closed**, remove PoliCool Cap and insert Perma Filter & tube making sure filter is fully sub-merged. Align bottle opening under drain with color label side facing Smart Chip Reader.
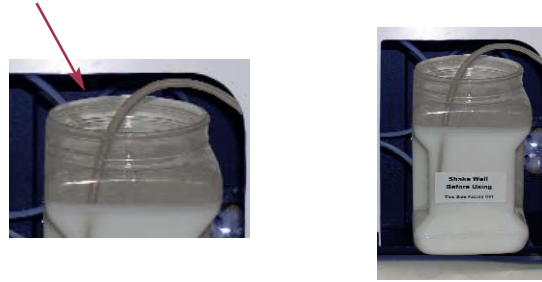
3 Turn power on. Wait for PoilCool Time 12,000 seconds to appear on the screen.

4 Prime lines until PoliCool is flowing and no air bubbles are present. It may take more than one 60 second priming sequence.
Press the "i" button, use the arrow buttons to scroll to the prime pump screen.
Pressing the enter button turns on the PoliCool pump for 60 seconds.
Press "i" to stop and return to main screen.

Information   Scroll Forward   Enter   Scroll Back
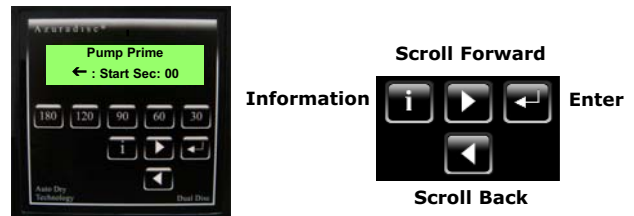
5 **Installing a new Pad**

Be sure to <u>REMOVE OLD OR EXISTING BLACK PAD</u> from base spindle before installing a new one.

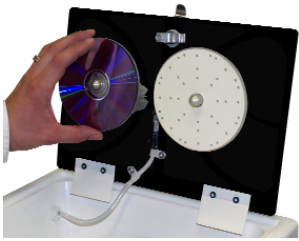Verify the base-head has been installed on the unit's turntable hook side up.

Align holes and press the velcro side of the pad on to the base-head.

Shake PoliCool™ every hour of use!

BASIC OPERATION

Place a CD or DVD on the left spindle
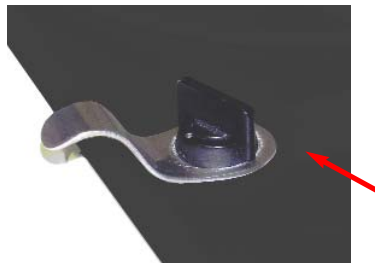

Place a CD or DVD on the right spindle

Close the lid, press and turn latch clockwise until it moves passed resistence.

Correct

Incorrect

(Figure 2.1)

(Figure 2.2)

For the lid to be closed the top latch has to be in the configuration shown in Figure 2.1

For the lid to be sealed the edge must be flush with the interior bevel of the cabinet as shown above.

Select Repair Cycle

PoliCool Time
Sec: 1858 AD:On

180 120 90 60 30
i ▶ ↵
◀

Auto Dry Technology   Dual Disc

Time Remaining
Sec: 59 AD:On

180 120 90 60 30
i ▶ ↵
◀

Auto Dry Technology   Dual Disc

**Number = Length of time in seconds
After pressing selected amount the screen will show time remaining**

**After repair cycle is finished remove CD's or DVD's from spindles.**

Select to start

PoliCool Time
Sec: 1858 AD:On

180 | 120 | 90 | 60 | 30

Select the length of repair and press the corresponding button.

Near the end of the cycle, your discs will be dried by the AutoDry process if activated.

Number = Length of time in seconds
After pressing selected amount the screen will show time remaining

180 | 120 | 90 | 60 | 30
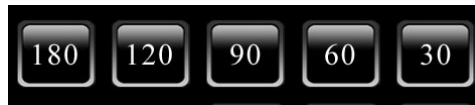
Press enter to stop process & return to main screen

Time Remaining
Sec: 27 AD:On

180 | 120 | 90 | 60 | 30

ABOUT THE REPAIR / POLISHING PROCESS - The Dual Disc II uses a single polishing pad & PoliCool™ to remove scratches. Choose the desired level of repair using the indicator buttons. This will vary the total amount of time used in the repair /polishing process.

PoliCool Low Screen

PoliCool Low !
← :Reset Warning

180 | 120 | 90 | 60 | 30

The cartridge count begins when you press the Start button and counts off time with every repair. Inserting a new cartridge will reset the counter. Once it reaches 1500 sec-onds the screen will indi-cate a warning. Once it reaches 0 seconds, the machine will no longer start. Install new car-tridge as shown in steps 1 through 5 - SET UP - SUPPLIES - CARTRIDGE & PAD PLACEMENT.
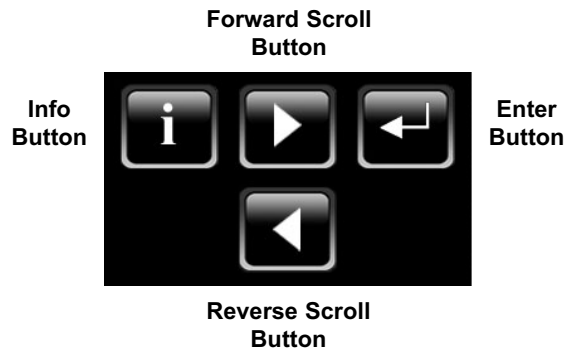
Lid Open Screen

Dual Disc II
Lid Open

180 | 120 | 90 | 60 | 30

TROUBLESHOOTING

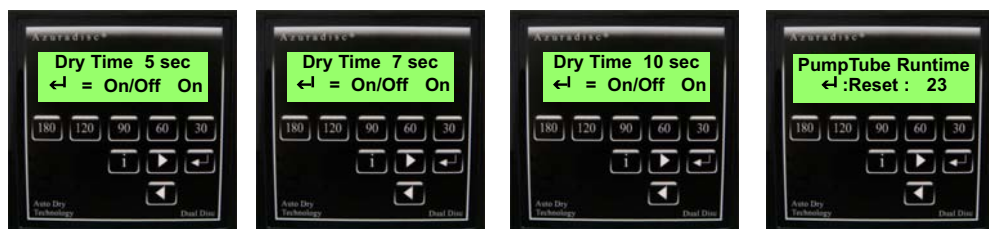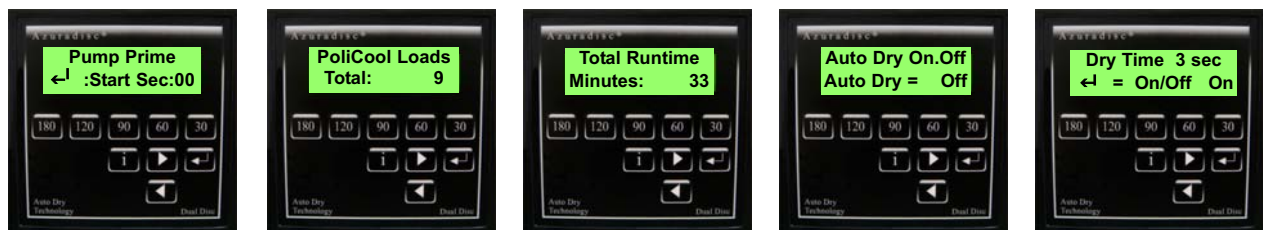|	
No power	• Verify the power cord is properly inserted in a working outlet; test the outlet with another device. • Check the fuse (by the power connector) on the machine. 110 -230V machines: 15A (1 spare fuse can be found in the AC outlet) • Check On/Off switch is in the "On" position. **Caution:** To avoid electrical shock, ensure the outlet is properly equipped with a ground connection. **Fuse Removal**
Little or No water flow	• Is the hose inserted into the PoliCool^{TM} container? • Are there any kinks in the hose(s)? • Is the pump turning? (try priming pump) • Check and clean filter if needed.
Machine overheating	• Verify the machine is on a flat sturdy surface. A carpeted surface may block the air outlet on the bottom of the machine. • Leave space behind the machine to allow air flow for the cooling fans. • PoliCool^{TM} liquid is not flowing correctly. Verify proper flow of liquid with no air bubbles by using the pump prime feature. Look for constant flow under the lid during the priming process.
Cartridge not reading	• Remove cartridge and reinstall it behind the access door making sure to position cartridge label side in. (step 2) • Make sure that the cartridge is new and that it has not already been inserted in this or another machine and has already transferred its credits. • Test cartridge in test mode (Refer to smart tag test mode)
Not responding to Control Panel	• Power machine down. Turn machine back on and check for display on the front control panel. • Wait for the screen to be on.
Has power but will not run	• Make sure there are no obstructions under the lid and reclose. • Make sure the prime pump sequence has completed, and press the start button again. • Check for indicators on the screen. A new PoliCool^{TM} cartridge may be required. • Make sure controller is displaying main screen.
Preamature wear on the pad	• Never run the machine with one disc. If this happens, the rubber pad from the handle will damage the polish pad which will then have to be replaced. The PoliCool^{TM} will still be useable, but the pad must be replaced with a new one. The handle pad may also need to be replaced if it has been damaged.

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Ver 4.0Ver 4.0

07-08-201007-08-2010

INFO MENU

Press "i" from the main screen to get to main info shown at right.

Press "i" at any time to return to the main screen

Info>:NextScreen
↵:Smart Tag Test

Forward Scroll Button

Info Button

Enter Button
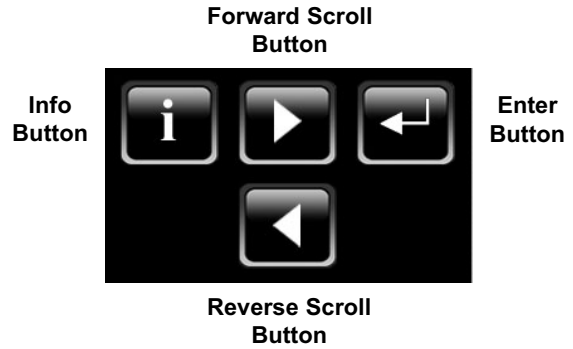
Reverse Scroll Button

- **Prime Pump**

  Press the "i" button, use the arrow buttons to scroll to the prime pump screen. Pressing the enter button turns on the policool pump for 60 seconds. Press "i" to stop and return to main screen.

- **PoliCool™ Loads**

  Press the "i" button, use the arrow buttons to scroll to the PoliCool™ Loads screen to see the number of cartridges used. Pressing the enter button activates the screen.

- **Total Runtime Meter**

  Press the "i" button, use the arrow buttons to scroll to the Runtime Meter screen to see the total amount of cycle run time. Pressing the enter button activates the screen.

- **Auto Dry On/Off**

  Press the "i" button, use the arrow buttons to scroll to the auto dry screen. Pressing the Enter Button turns auto dry on or off.

- **Dry Time 3 Seconds**

  Pressing the enter button activates (or deactivates) the 3 second Auto Dry cycle timer.

- **Dry Time 5 Seconds- This is the default setting.**

  Pressing the enter button activates (or deactivates) the 5 second Auto Dry cycle timer.

- **Dry Time 7 Seconds**

  Pressing the enter button activates (or deactivates) the 7 second Auto Dry cycle timer.

- **Dry Time 10 Seconds**

  Pressing the enter button activates (or deactivates) the 10 second Auto Dry cycle timer.

- **Pump Tube Runtime**

  Press the "i" button, use the arrow buttons to scroll to the pump tube runtime screen. Pressing the enter button resets the runtime to "0".

Pump Prime
↵ :Start Sec:00

PoliCool Loads
Total: 9

Total Runtime
Minutes: 33

Auto Dry On.Off
Auto Dry =   Off

Dry Time 3 sec
↵ = On/Off   On

Dry Time 5 sec
↵ = On/Off   On

Dry Time 7 sec
↵ = On/Off   On

Dry Time 10 sec
↵ = On/Off   On

PumpTube Runtime
↵ :Reset :   23

INFO MENU

Press "i" from the main screen to get to main info shown at right.

Press "i" at any time to return to the main screen

Info>:NextScreen
↵:Smart Tag Test

180 120 90 60 30

Info Button

Forward Scroll Button

Enter Button

Reverse Scroll Button

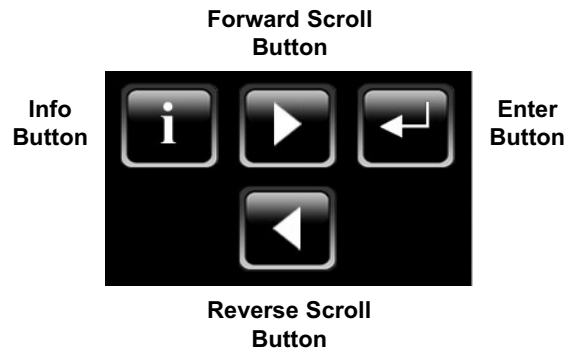| |
| --- |
| **• 180 Second Cycle Count** |
| Press the "i" button, use the arrow buttons to scroll to the count screen. Displays recipe tracking. |
| **• 120 Second Cycle Count** |
| Press the "i" button, use the arrow buttons to scroll to the count screen. Displays recipe tracking. |
| **• 90 Second Cycle Count** |
| Press the "i" button, use the arrow buttons to scroll to the count screen. Displays recipe tracking. |
| **• 60 Second Cycle Count** |
| Press the "i" button, use the arrow buttons to scroll to the count screen. Displays recipe tracking. |
| **• 30 Second Cycle Count** |
| Press the "i" button, use the arrow buttons to scroll to the count screen. Displays recipe tracking. |

180 Second Recipe Count: 3

120 Second Recipe Count: 2

90 Second Recipe Count: 2

60 Second Recipe Count: 4

30 Second Recipe Count: 18

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INFO MENU

Press "i" from the main screen to get to main info shown at right.

Press "i" at any time to return to the main screen

Info>:NextScreen
↵:Smart Tag Test

Forward Scroll Button

Info Button

Enter Button

Reverse Scroll Button

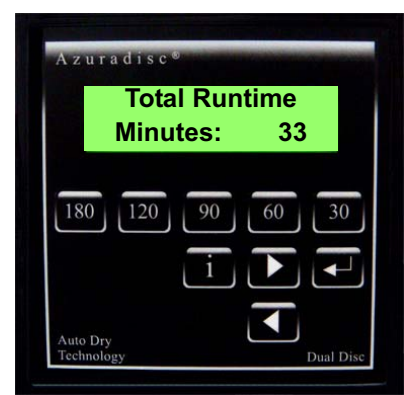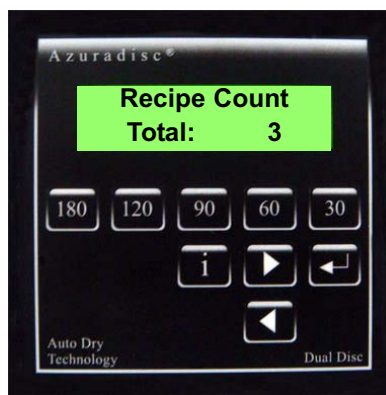
• PoliCool Load Screen

Press the "i" button, use the arrow buttons to scroll to the count screen. Displays reload totals.

• Recipe Count Screen

Press the "i" button, use the arrow buttons to scroll to the count screen. Displays recipe totals.
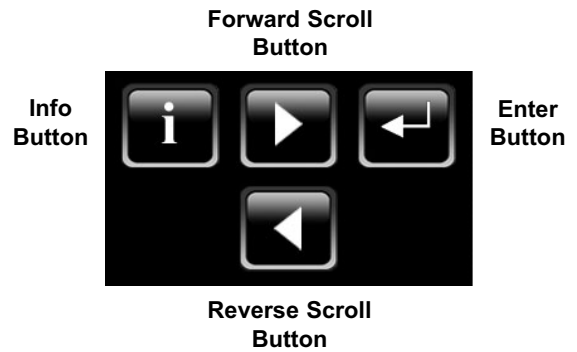
• Total Runtime in Minutes

Press the "i" button, use the arrow buttons to scroll to the count screen. Displays total in minutes.

PoliCool Loads
Total: 9

Recipe Count
Total: 3

Total Runtime
Minutes: 33

INFO MENU

Press "i" from the main screen to get to main info shown at right.

Press "i" at any time to return to the main screen

Info>:NextScreen
↵:Smart Tag Test

Forward Scroll Button

Info Button

Enter Button

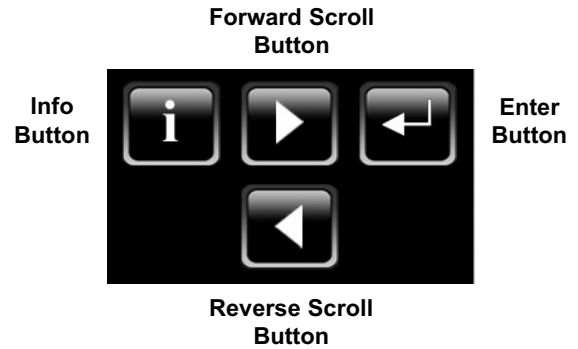**Reverse Scroll Button**

• PoliCool Time Clear	**WARNING! This permanently erases PoliCool Credits.**
Press the "i" button, use the arrow buttons to scroll to the PoliCool™ Time Clear screen. Press enter to proceed to confirmation screen.	
• Are You Sure?	
Press the "enter" (yes) to confirm or "i" to cancel.	
• PoliCool Count Clearance	
Hold the "Enter" button down for 5 seconds to zero out PoliCool™ credits. Use the "i" button to cancel.	

Are You Sure?
↵: Yes i:Cancel

Are You Sure?
↵: Yes i:Cancel

Press ↵ 5Sec=Clr
i:Cancel 05.00
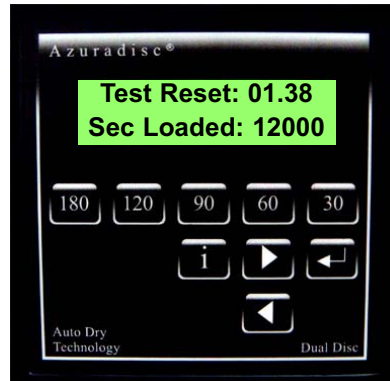
Press ↵ 5Sec=Clr
i:Cancel 03.45

INFO MENU

Press "i" from the main screen to get to main info shown at right.
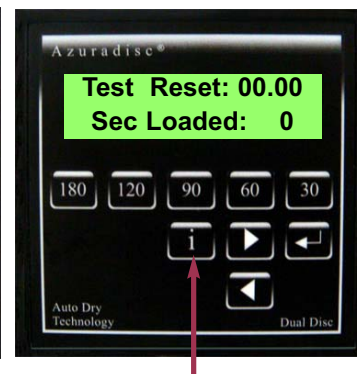
Press "i" at any time to return to the main screen

Info>:NextScreen
↵:Smart Tag Test

Forward Scroll Button

Info Button

Enter Button

Reverse Scroll Button

• Test Screen Press the "i" button, to return to the main screen.
• Test Screen Smart Tag Loaded
• Test Screen Smart Tag Depleted

Test Reset: 00.00
Sec Loaded: 0

Test Reset: 01.38
Sec Loaded: 12000

Smart Tag Reset
Depleted   02.46

Step 1: To start testing, press the enter button. (Figure 3.1) This will take you to the testing screen. To return to the main screen press the "i" button. (Figure 3.2)
When you are at the testing screen you will see a time value.
(Figure 3.2)

Info>:NextScreen
←:Smart Tag Test

180 120 90 60 30
i ▶ ↵
◀

(Figure 3.1)

Test Reset: 00.00
Sec Loaded: 0

180 120 90 60 30
i ▶ ↵
◀

(Figure 3.2)

Step 2: Place the PoliCool™ next to the Smart Chip Reader.
(Figure 4.1)

Shake Well

(Figure 4.1)

Step 3: If the PoliCool™ is valid you will see the amount of credits in seconds. The timer will begin to count down and auto-matically return you to the Main Test Screen after the timer has expired.
(Figure 5.1)

Test Reset: 01.38
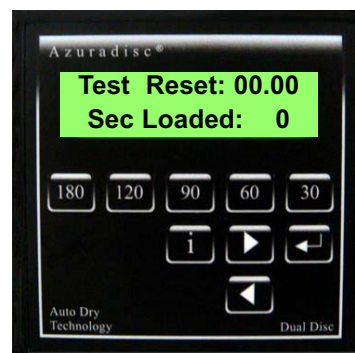Sec Loaded:12000

180 120 90 60 30
i ▶ ↵
◀
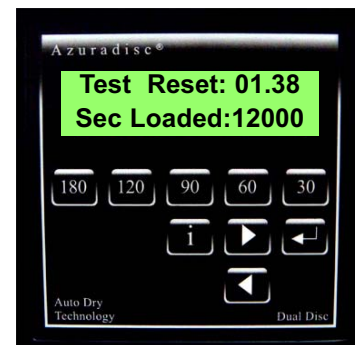
(Figure 5.1)

Step 4: If the PoliCool™ has been depleted you will be taken to a different screen showing you that it is depleted and you will also see a timer counting down. When the timer has expired you will automatically return to the Main Test Screen. (Figure 6.1)

Step 5: If the PoliCool™ Chip is Corrupt (BAD) you will remain on the Test Screen and nothing will occur. The timer will not count down and the Seconds will continue to display zero. (Figure 7.1) Remember if you need to return to the Main Test Screen you can do this by pushing the "i" button.

Smart Chip Reset
Depleted   02.46

180 120 90 60 30
i ▶ ↵
◀

(Figure 6.1)

Test Reset: 00.00
Sec Loaded: 0

180 120 90 60 30
i ▶ ↵
◀

(Figure 7.1)

MAINTENANCE

CHANGE PUMP TUBE

Step 1:
Turn pump assembly counter clockwise to remove outer cover.

Step 2:
Remove and replace hose.
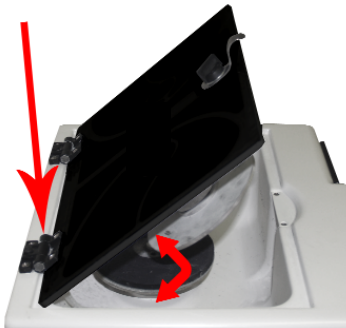

Step 3:
Align pins and turn pump clockwise to replace outer cover.

LUBE SQUEAKY HINGES

Step 1:
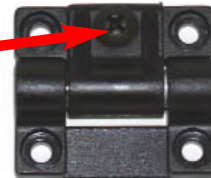Clean, lubricate or Adjust hinges

Step 2:
Open lid approximately 45 Degrees - Spray Silicone Lubricant on hinge pin.

Step 3:
Tighten center adjustment screws to desired resistance.

NOTE:
Only loosen or tighten the rear center adjustment screw -
Removing the hinge is irreversible.

LUBE QUICK LOAD SLIDERS VERSION 2

Step 1:
Remove set screw by turning counter clockwise.

Step 2:
Separate and lubricate rings

Step 3:
Assembly is reverse, HOLES MUST ALIGN or damage will result.
Do NOT over tighten set screw or damage will result.

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MAINTENANCE

LUBE QUICK LOAD SLIDERS VERSION 1

Step 1:
Note: Remove only one side at a time.

Remove the 3 screws that attach the handle to the lid.
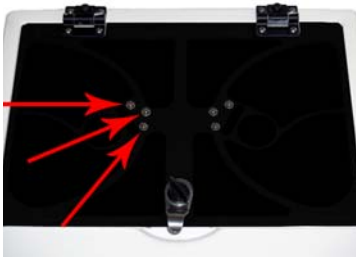

Step 2:
Spray Silicone Lubricant on the slide mechanism.

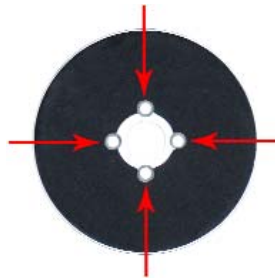
Step 3:
Reinstall the handle mechanism.

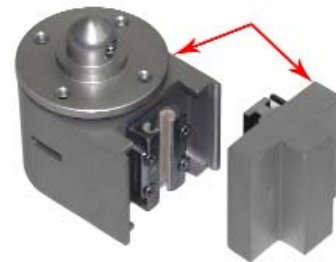## REPLACE BEARINGS IN QUICK LOAD SPINNERS VERSION 1

Step 1:
Note: Remove only one side at a time.

Remove the 3 screws that attach the handle to the lid.

Step 2:
Remove disc plate by extracting the 4 attached screws.

Step 3:
Separate bearing case from "T" block.

Use pin to re-align
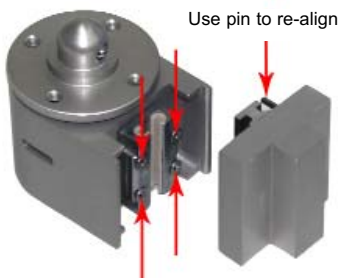
Step 4:
Remove slide screws and extract slide from bearing case.

Step 5:
Remove set screw and bearings

Step 6:
To re-Install simply follow steps 5 through 1 (Reverse the instructions)

EDUCATION

HOW DISCS ARE MADE

CDs consist of 99% clear polycarbonate plastic. The reflective layer, protective layer and screen print comprise the remaining 1% of the disc.


1. A disc is created from molten polycarbonate and digital information is stamped on the top of the disc, while it is still near melting point, using a die with microscopic bumps. These bumps are known as "pits and lands".

2. After the information is molded into the polycarbonate, a reflective foil layer is applied using a process called sputtering or wet silvering. This layer reflects the laser back to the player, so it's integrity is extremely important. The layer is usually silver, but can be made of gold or platinum.

3. A clear lacquer coating is applied to seal the reflective layer and prevent oxidation. This layer is very thin and offers little protection from top side scratches.

4. Finally the artwork is screen-printed on the top of the disc.

Pits and Lands are imprinted into the disc to indicate a one or a zero. A laser beam is sent from the player to the disc and the reflective layer reflects it back to the reader and the ones and zeros are translated by the player.

Recordable discs have a photosensitive dye type layer instead of the stamped information layer. This layer, when exposed to a certain light, will make an impression of a pit into the layer.

Re-recordable discs use a layer that allows the laser to polarize the photosensitive layer back and forth between a visible pit to an invisible pit.
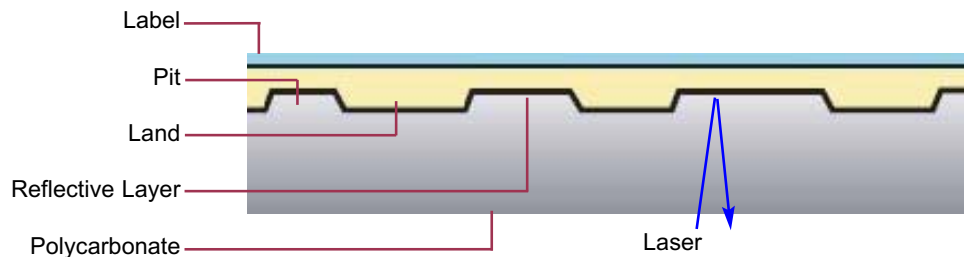
HOW A DVD IS MADE

DVDs are made in different ways depending on the amount of information that is recorded on the disc. DVDs may be single or double layered and single or double layered double sided.

NOTE: DVDs cannot be repaired as many times as CDs because the read side polycarbonate layer is thinner.

Single Layer DVDs (*DVD-5* - 4.7GB)

These DVDs are made the same way as a CD with one additional polycarbonate layer added between the label and the pits and lands.
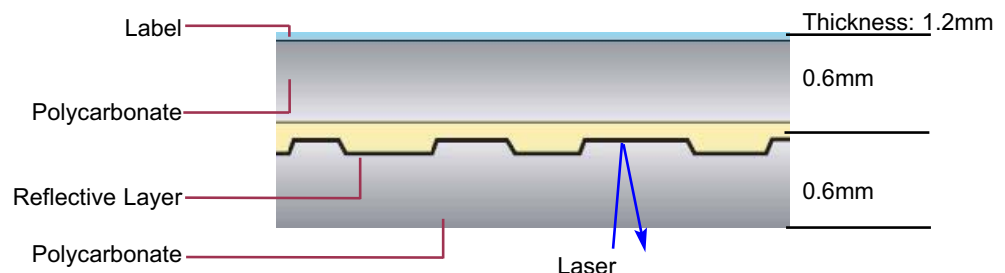
Double Layered DVDs (*DVD-9* - 8.5GB)

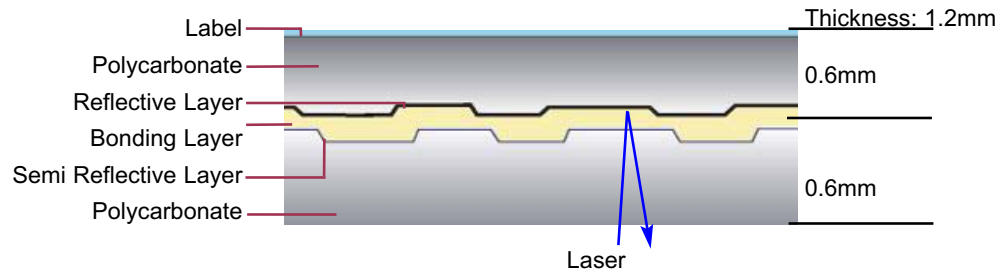Double layered DVDs have a semi reflective layer and a reflective layer giving two layers to store information.
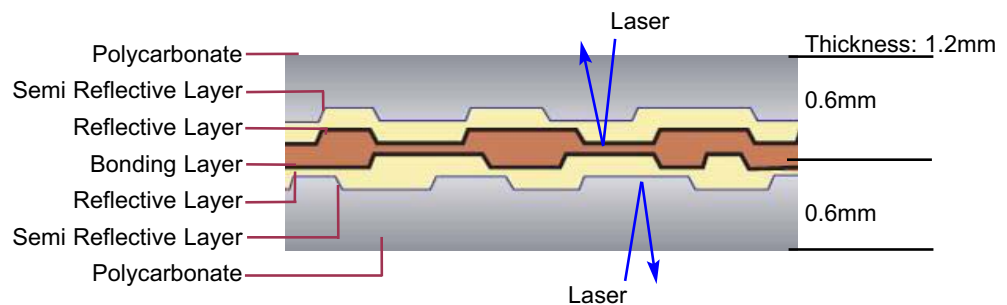
Label
Polycarbonate
Reflective Layer
Bonding Layer
Semi Reflective Layer
Polycarbonate

Thickness: 1.2mm
0.6mm
0.6mm

Laser

Double Sided DVDs (*DVD-10* - 9.4GB)

Double sided DVDs consist of two discs bonded back to back with the reflective layers in the middle and both sides are repairable. Double sided DVDs require the use of smaller of micro-abrasive polishing papers to prevent the manufacturer's label area from being removed during the repair process.

Laser
Thickness: 1.2mm
0.6mm

Polycarbonate
Reflective Layer
Bonding Layer
Reflective Layer
Polycarbonate

0.6mm

Laser
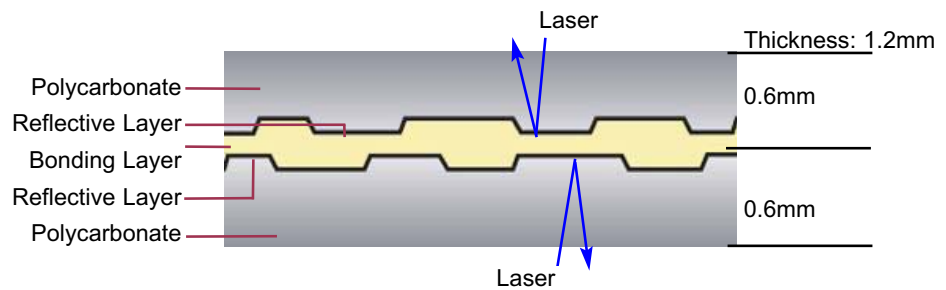
Double Sided/Double Layered DVDs (*DVD-18 - 17.1GB*)

Double sided/double layered DVDs are simply two double layered discs bonded back to back.

Laser
Thickness: 1.2mm
0.6mm

Polycarbonate
Semi Reflective Layer
Reflective Layer
Bonding Layer
Reflective Layer
Semi Reflective Layer
Polycarbonate

0.6mm

Laser

IDENTIFYING SCRATCHES

The three basic types of scratches on CDs are: topside, reading side, and top side foil dents. DVDs are not subject to top side scratches and foil dents as the manufacturing process is different from CDs.

Reading Side Scratches - CDs, CD-ROMs & DVDs

Reading side scratches are the most common type, the easiest to identify, and the only type of scratch that can be repaired.

If the scratch has a double Image, as shown in the figure to the right, it is a reading side scratch and can be repaired by using an Azuradisc scratch repair machine. The double image is the result of the actual scratch and a reflection made by the reflective foil layer.

Scratch

Reflection
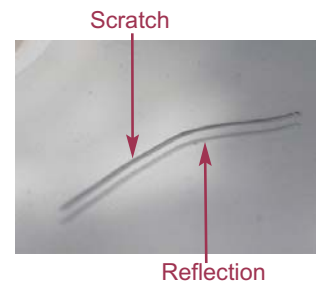
Top Side Scratches

Note: The scratches shown below are not found on DVDs

Top side scratches are caused by a sharp object damaging the top or label side of a disc. In this case, the information just below the printed label area is damaged and causes a skip. Top side scratches cannot be repaired, however they can be prevented by using an Azuradisc Scratch Guard.

The easiest way to identify a top side scratch is to hold the suspected scratch up to a light source and verify that light will pass through the disc in that area.

Light passes through the disc.

Note: If light does not pass through, check the reading or bottom side of the disc for a scratch without a "double image". If a double image is not visible, it is a topside foil dent or a top side scratch that did not damage any of the label.

Top Side Foil Dents

No double image

Top side foil dents are not scratches but look like a scratch on the reading side of the disc. The dent is made by a large amount of pressure put on the label side of the disc, causing the foil layer to dent. This dent will cause skips and cannot be repaired, however they can be prevented using an Azuradisc Scratch Guard.

The easiest way to identify the top side foil dent is to see if there is a "double image" produced. There should not be a second image because the damage is to the inner foil layer. There may not be any evidence on the label side of the disc because the pressure did not cause any of the label to be removed.
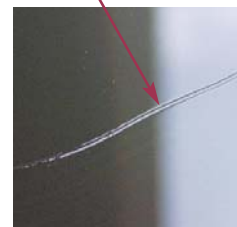
ACCESSORIES

**Polishing Pad
Double Sided DVD
with velcro**
Replacement pad
(Do **NOT** install until old pad
has been removed)
   Item # **st2_02579_0**

**Base Head Assy.
with velcro**
Used with the Polishing Pad
Item # **ph_02577_6**

Reinforced plastic spindles
for in-plant handling and storage of
compact discs
   Item # **spn_01677_4**

Game Cube Adapter Ring
Fits Dual Disc II & Uno

   Item # **gca_02508_0**

WARRANTY COVERAGE

Azuradisc warranty obligations for its products are limited to the terms set forth below:

Azuradisc, Inc. ("Azuradisc") warrants its standard products (the "Warranted Products"), against defects in materials and workmanship for a period ("Warranty Period") defined as follows:

The Warranty Period for disc repair machines and disc testers is a period of one (1) year from the date of original purchase or until 100,000 repairs have been processed using that Warranted Product, whichever comes first. Unless otherwise specified, the Warranty Period applicable to machines and disc testers purchased from Azuradisc as "factory refurbished" products is 6 months or 50,000 repairs, whichever comes first.

The Warranty Period applicable to supplies, normal wear items and replacement machines, assemblies, and parts provided under this Limited Warranty against defects in materials and workmanship is ninety (90) days from their date of delivery by Azuradisc.

Replacement machines, assemblies, and parts, excluding supplies and normal wear items, are also covered for the remaining portion of the original machine's warranty, if that provides longer coverage for you.

If a defect is discovered and a valid claim received by Azuradisc within the Warranty Period, at its option, Azuradisc will (1) repair the Warranted Product using new or refurbished replacement parts, (2) exchange the Warranted Product with one that is new or that has been manufactured from new or serviceable used parts and is at least functionally equivalent to the Warranted Product, or (3) refund the purchase price of the Warranted Product.

When a Warranted Product is exchanged or repaired, any replacement item becomes your property and the replaced item becomes Azuradisc's property. When a refund is given, the Warranted Product becomes Azuradisc's property.

EXCLUSIONS AND LIMITATIONS

This Limited Warranty applies only to the Warranted Products. This Limited Warranty does not apply to any other products, whether or not packaged or sold with the Warranted Products.

This Limited Warranty can be redeemed only by the original purchaser at the original location where Azuradisc shipped the Warranted Product. If you wish to transfer this Limited Warranty, please contact Azuradisc for more information.

Any Software distributed by Azuradisc, whether or not incorporated into the Warranted Products, is not covered under this Limited Warranty. Refer to Azuradisc's Software License Agreement, reviewable at **www.azuradisc.com** or by calling +1.480.827.8786 for more information.

This Limited Warranty does not apply to the following:

- Normal wear or deterioration (follow preventative maintenance schedules to minimize wear and tear on your machine);

- Improper installation or maintenance including but not limited to failure to follow any preventative maintenance schedule;
- Damage caused by accident, abuse, misuse, misapplication, or failure to follow usage directions;

- Warranted Products that have been used with non-Azuradisc products;

- Damage caused by service performed by anyone other than Azuradisc or an Azuradisc-certified service technician;

- A Warranted Product that has been modified without the written permission of Azuradisc;

- If any Azuradisc serial number, date stamp or other marking has been removed or defaced;

- Any item concerning the Warranted Product's appearance that is not due to a defect in material or workmanship.

TO THE MAXIMUM EXTENT PERMITTED BY LAW, THIS LIMITED WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. AZURADISC SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF AZURADISC CANNOT LAWFULLY DISCLAIM OR EXCLUDE IMPLIED WARRANTIES UNDER APPLICABLE LAW, THEN TO THE EXTENT POSSIBLE ANY CLAIMS UNDER SUCH IMPLIED WARRANTIES SHALL EXPIRE ON EXPIRATION OF THE WARRANTY PERIOD. No Azuradisc reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

IN NO EVENT SHALL AZURADISC BE LIABLE, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT PRODUCT LIABILITY OR OTHERWISE, FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE WARRANTED PRODUCT WITH RESPECT TO WHICH SUCH DAMAGES ARE ASSERTED, PLUS ANY FREIGHT CHARGES ACTUALLY PAID ATTRIBUTABLE TO SUCH WARRANTED PRODUCT, OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL , PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING LOSS OF PROFITS, LOSS OF USE, INTERRUPTION OF BUSINESS, OR ANY COSTS OF RECOVERING OR REPRODUCING ANY PROGRAM OR DATA STORED IN AN OPTICAL DISC, ARISING OUT OF OR IN CONNECTION WITH THE USE OF OR INABILITY TO USE THE WARRANTED PRODUCT OR AZURADISC'S PERFORMANCE OF ITS OBLIGATIONS HEREUNDER, TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

This Limited Warranty gives you specific legal rights and you may also have other rights that vary from jurisdiction to jurisdiction.

OBTAINING WARRANTY SERVICE

If you have a problem with one of the Warranted Products, **DO NOT SHIP THE PRODUCTS DIRECTLY TO AZURADISC**. Instead, please contact our Technical Support personnel at +1 (480) 827-8786 for a Return Materials Authorization (RMA) number and instructions.

For all warranty service, the Warranted Product must be returned to Azuradisc or an Azuradisc-designated repair center with all transportation and insurance charges prepaid all the way to AZURADISC warehouse. RMA number, dated proof of purchase and whom it was purchased from, as well as an explanation of the problem, must accompany the Warranted Product. You are responsible for any shipping costs, import/export duties, taxes and other such fees.

If Azuradisc determines that some of the necessary repairs are not covered under this Limited Warranty, you may request an estimate and the opportunity to confirm whether you agree to pay for these repairs. If you decline, Azuradisc obligations for that machine or product under this Limited Warranty end.