

**OXID<sup>3</sup>iCE™**

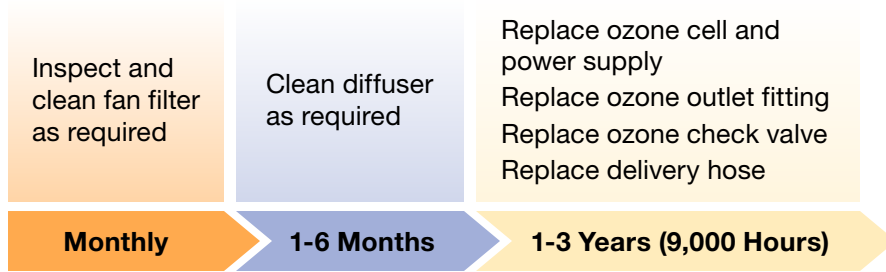
Ice Machine Disinfectant *for the* Purest Ice Possible

# ***MAINTENANCE MANUAL***



## Service Timeline

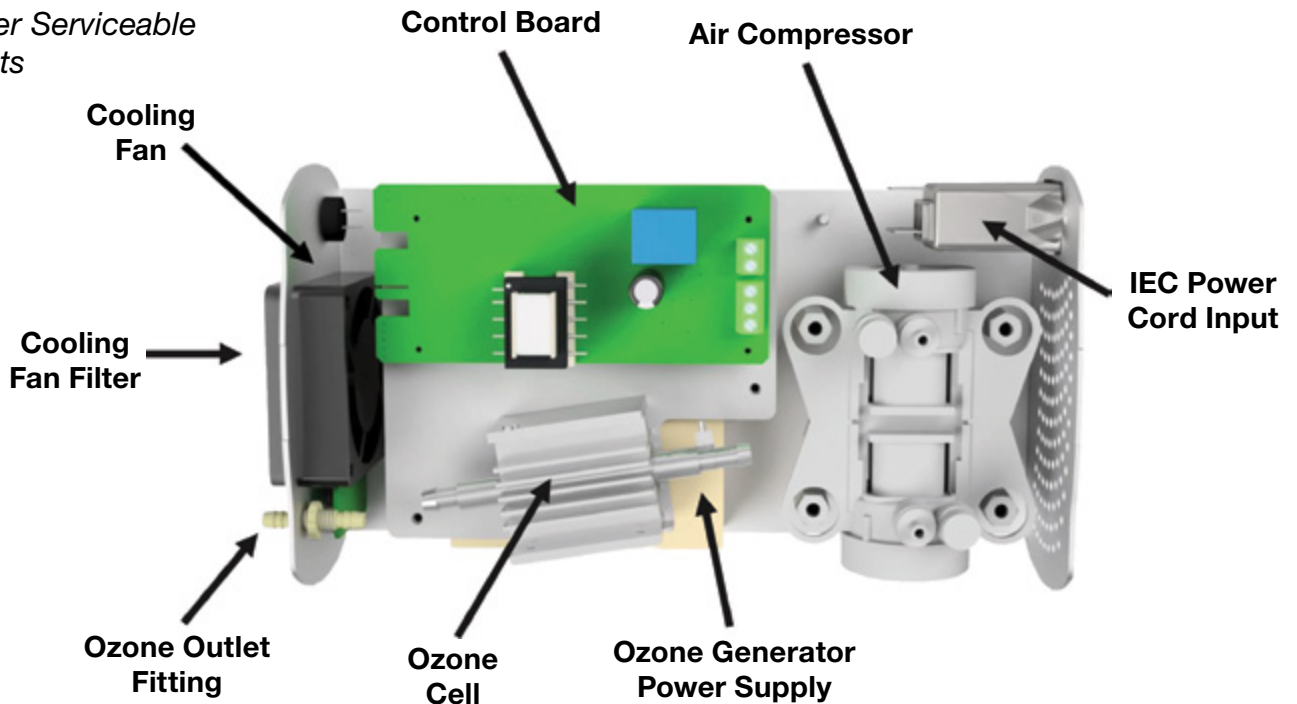
Inspect and clean at these service intervals



Part Number	Description
AC30	Compressor
CCA1774ASA	Control Board
DIF33	Diffuser
FAN8	Fan
FAN15	Filter
MCD350SA	Ozone Cell
CKV55	Ozone Check Valve
FTP708	Ozone Outlet Fitting
DLV28-10	Delivery Hose (10')

## Internal Components

Identify User Serviceable Components



## External Controls and Components

Identify Mounting Hardware and Controls

### Z-Bar Mounting System



## Fan Filter Service

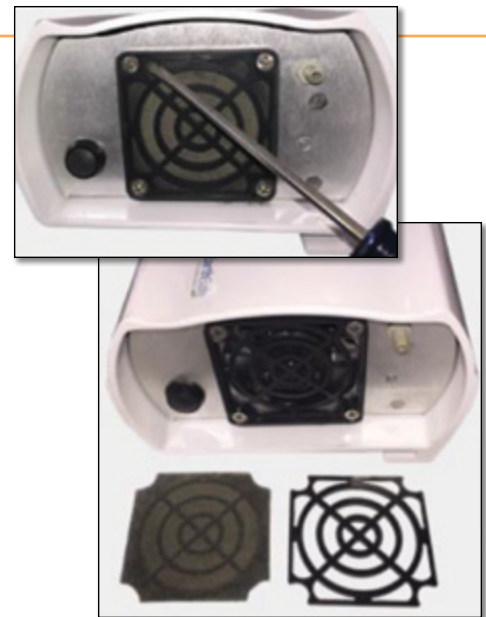
*Be gentle while removing filter guard*

Remove the filter:

1. Power down the Oxidice
2. Gently hook and pry off the fan cover
3. Separate the fan guard and the fan filter



Do not pull from center of fan guard.  
This may result in damage to the fan guard.



## Fan Filter Service

*Rinse, dry, and reuse*

Cleaning the fan filter:

1. Gently rinse the filter under warm water
2. Gently rinse the plastic fan guard
3. Let both dry completely before reinstalling

Replace the fan filter:

1. Place filter over fan housing
2. Attach filter guard. Ensure that it snaps into place.
3. Initiate operation of Oxidice



Don't stretch or agitate the filter too much. This could result in tears in the filter and premature replacement.  
Filter Part ID: FAN15



## Cleaning the Diffuser and Tubing

*Soak, rinse, and reinstall*

1. Remove the diffuser from the water reservoir.
2. Soak the diffuser for 30 mins in either:
  - Vinegar
  - Citric acid\* or similar acid (20% solution, approximately one (1) tablespoon of powder per two (2) cups of water)
3. Rinse with two (2) cups of tap water or until all of the acid has been washed off.
4. Soak the diffuser in 200 ppm of chlorine bleach (approximately 1/2 tsp 6% bleach solution to two (2) cups of water) with liquid at ambient temperature for 30 minutes.
5. Rinse with two (2) cups of tap water or until all bleach solution has been washed off.
6. Wipe down outside of the delivery tube with the 200ppm bleach solution. Apply so that the tubing remains visibly wet for 20 seconds.

**Part ID: DIF33**



\*Ensure the stainless-steel diffuser is completely submerged in the acidic solution for the entire 30 minutes.

## Replacing the Check Valve

Remove and replace at 9,000 hours

Replace the check valve:

1. Power down the unit to stop ozone production
2. Disconnect the check valve from tubing
3. Determine the direction of flow on new check valve  
*Note: The flow direction should point toward the diffuser. If unsure of correct direction, blow through it gently.*
4. Reinstall new check valve inline
5. Initiate operation of Oxidice



Part ID: CKV55



If bubbles do not appear after check valve replacement, confirm proper orientation of check valve.

## Removing the Old Ozone Cell and Power Supply

### 1 Removing the Cover

Separate the cover from the chassis

1. Power down the system
2. Unplug from wall outlet
3. Flip unit over, exposing the back side
4. Using a Phillips head screwdriver, loosen the cover screw counter clockwise. Set screw aside.
5. Slide chassis out horizontally from cover and set cover aside. It's easiest to slide toward the power cord side.

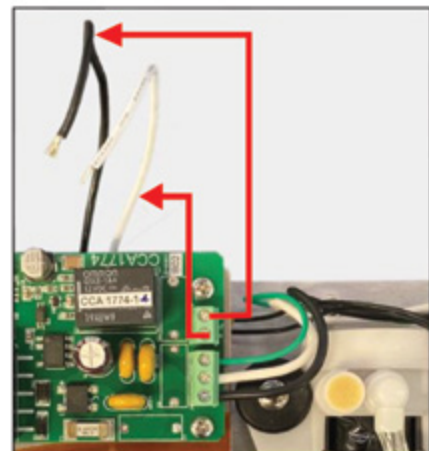


NOTE: Don't lose the cover screw!  
It's small and will be needed later

### 2 Disconnect Ozone Power Supply Wires

Disconnect the black and white wires from control board

1. Using a small flat head screwdriver, loosen terminal connections counter clock-wise
2. Disconnect the BLACK and WHITE wires as shown on the left



NOTE: Do not pull the wires out until connectors have fully released the wire ends

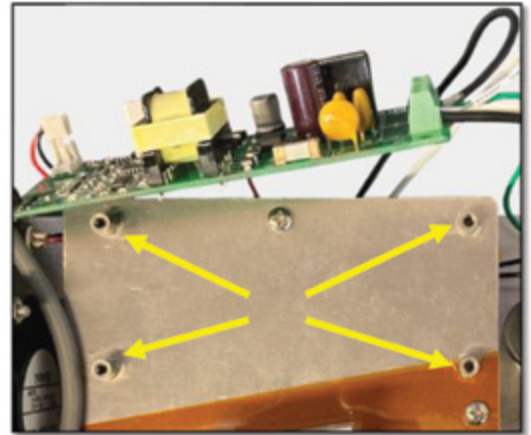


### 3 Remove the Control Board

Unscrew and push aside circuit board

1. Using a Phillips head screwdriver, remove each of the 4 screws securing the control board.
2. Lift board away from bracket and push aside as shown.

NOTE: Be gentle with the circuit board.  
Do not scrape on bracket.

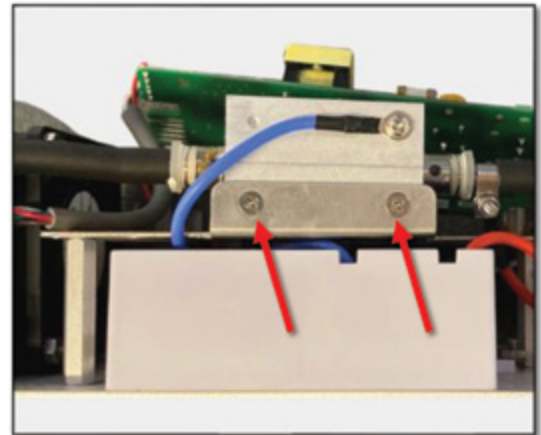


### 4 Release the Ozone Cell From Bracket

Remove screws counter-clockwise

1. Using a small Phillips head screwdriver, remove the 2 screws securing the chamber to the bracket.
2. Lift board away from bracket and push aside as shown.

NOTE: Be gentle with the circuit board.  
Do not scrape on bracket.

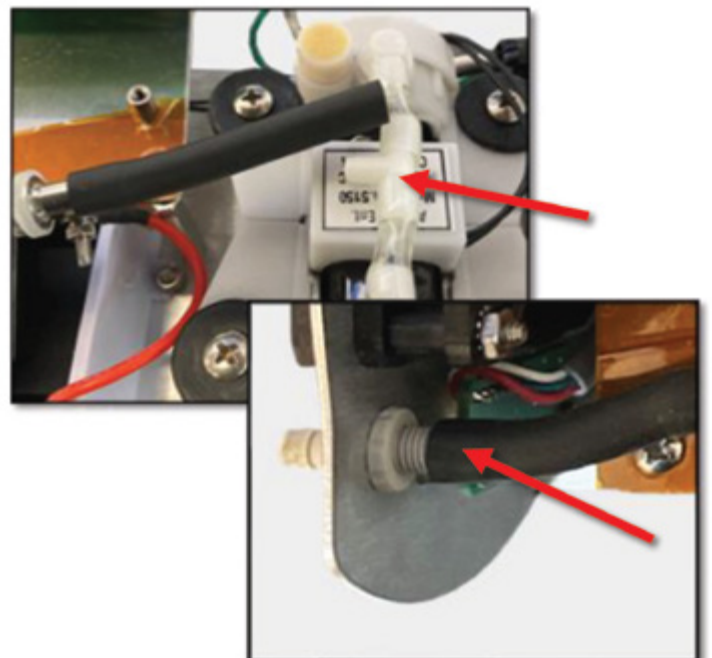


### 5 Disconnect Ozone Cell Tubing

Release reaction chamber from bracket

1. Gently disconnect the tubing from the compressor as shown.
2. Perform the same step for the other end of the tubing at the ozone outlet fitting.

NOTE: Do not cut tubing to remove tubing.  
This tubing can be reused.



## 6 Remove the Control Board Mounting Bracket

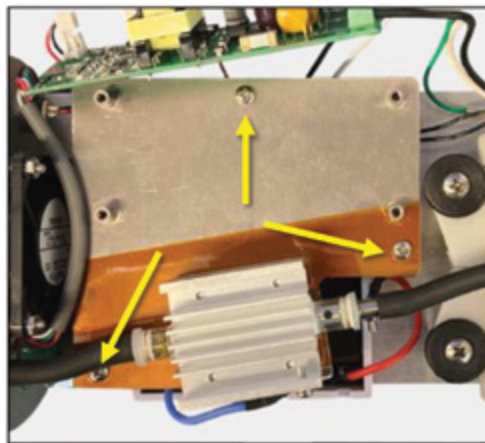
Release reaction chamber from bracket

1. Using a Phillips head screwdriver, remove each of the 3 screws securing the control board bracket.
2. Separate bracket from the chassis standoffs and set aside. This will reveal the ozone power supply underneath.



Be careful not to scratch the orange tape on bracket. This insulating tape prevents the ozone cell from shorting.

NOTE: Be careful not to scratch the orange tape on bracket!

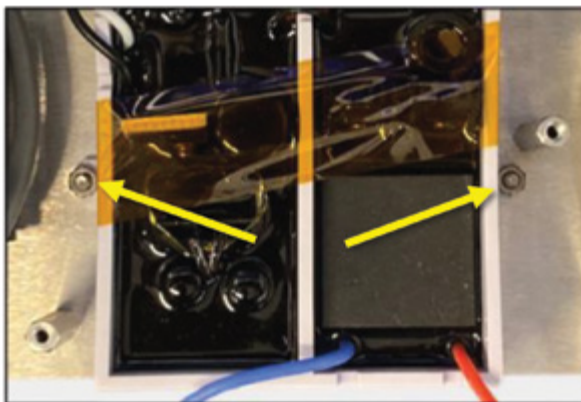


## 7 Release Ozone Power Supply from Chassis

Remove screws counter-clockwise

1. Using a 1/4" nut driver, loosen each of the 2 nuts securing the ozone power supply to the chassis
2. Separate power supply from the chassis and discard power supply and ozone cell

NOTE: Don't lose these Keps nuts. You will reuse them later.



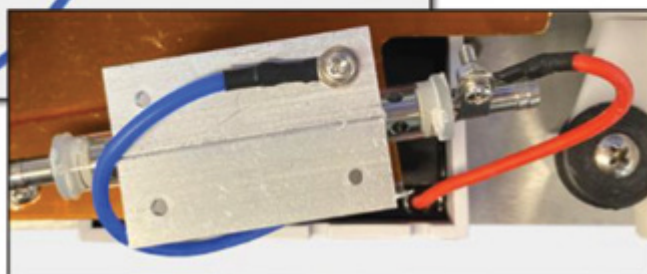
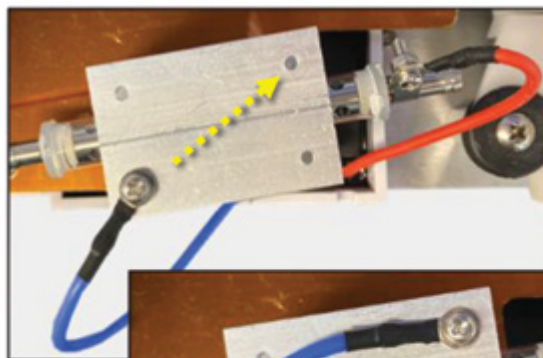
## Installing the New Ozone Cell and Power Supply

### Reposition Wire on Ozone Cell

Move the Blue wire before installation of new chamber

1. Using a Phillips screwdriver, remove the screw securing the BLUE wire onto the ozone cell.
2. Reposition the BLUE wire to the opposite corner on the ozone cell as shown.

NOTE: Moving the Blue wire will make installation much easier



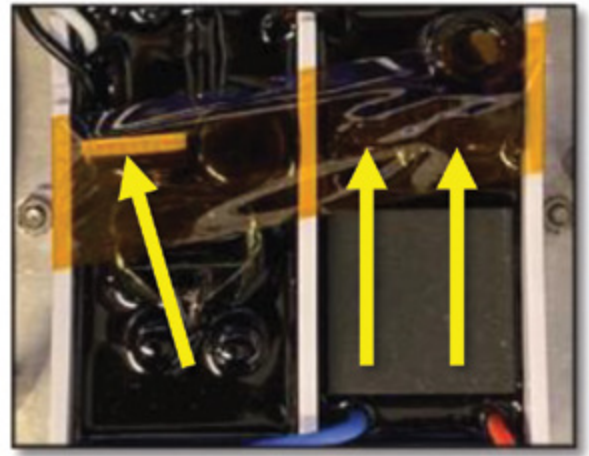
## Reinstallation Continued

Reverse steps 1-7

Once the blue wire has been repositioned, reverse steps 1 through 7 to complete reinstallation of the new power supply and ozone cell.

### Tips for reinstallation:

- Make sure the RED high voltage wire from the ozone cell is not resting or touching the any items that could conduct electricity. This includes the chassis, brackets, tubing, etc...
- Ensure that ALL orange insulating tape has not been scraped, worn away, or damaged before reinstallation.
  - IF your power supply arrives with the insulating tape missing, carefully remove the orange tape from your previous ballast and place onto the new ballast as shown.
  - The insulating tape should protect these components from shorting.
- Ensure all electrical items (wires, power supply , ozone cell, etc...) are secured before testing and closing unit.



## Replacing the Ozone Outlet Fitting

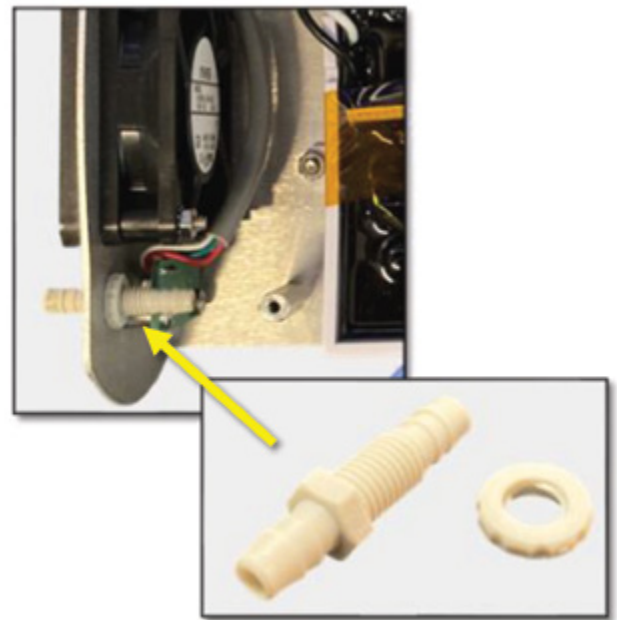
Replace ozone outlet fitting at 9,000 hours of use

1. Using a pair of needle nosed pliers, gently remove the nut from the ozone outlet fitting installed on the chassis
2. Install the new fitting in the direction as shown
3. Tighten the nut until snug



Be careful to not over tighten the nut. This may result in cracking the nut.

NOTE: Don't over tighten!  
This can result in cracking the nut.



## Resetting the Service Run Time Indicator

After Servicing, Reset the Service Run Time Indicator

The RED service light will need to be reset by the user after performing service.

### How to reset the Service Run Time Indicator:

While the unit is powered and the RED service light is illuminated, press and hold the mode selection button for **10 seconds**.

The service light should no longer be illuminated, resuming normal operation.



# Consider These Products with Oxidice

*Nickel-Safe Ice Machine Cleaner*



*Liquid Ice Machine Cleaner*



*IMS-III Sanitizing Concentrate*

