



User Guide & General Maintenance

Rainier Summit R1/R2



OUR MISSION

To improve health and wellness by actively restoring indoor air to its pure, natural state where no pollution or contaminants exist, while reducing energy use and emissions in the process.



AtmosAir.com
CAG-23-10-005

SERVICE REMINDER

This handy reminder is included so you can keep track of needed filter and tube replacements:

Date Unit Placed in Service (enter date)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Filter Replacement _____
(enter date 3 months from above)

Tube Replacement _____
(enter date 2 years from purchase)

Trademarks

Any brand names and product names included in this document are trademarks, registered trademarks, or trade names of their respective holders.

To the Holder of this Document

The contents of this document are current as of the date of publication. AtmosAir® reserves the right to change the contents without prior notice.

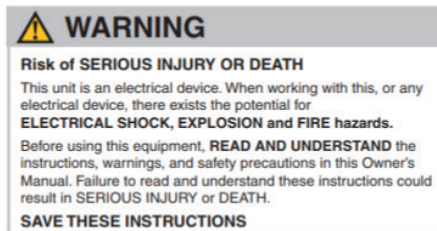
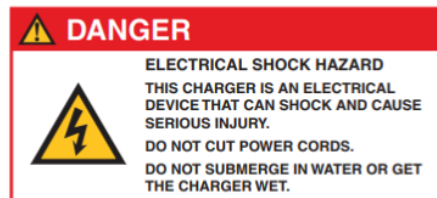
In no event will AtmosAir be liable for any special, incidental, or consequential damages or for commercial losses even if AtmosAir has been advised thereof as a result of issue of this document.

WARNING

Failure to follow this warning could result in personal injury or death.

For installation you **MUST:**

- Always disconnect all electrical power to the unit before handling any of the components, to the air handler before removing access panels, or to perform any maintenance activities.
 - Do NOT connect to the power before the installation is complete and personnel are aware of the imminent operation – secondary voltage to the ionization tube can be as high as 3,000 VAC.
 - Installation of AtmosAir equipment is not to be performed in areas with extreme conditions such as extreme heat or cold, or where water or condensing moisture can impact the system.
 - Carefully read this instruction booklet before beginning the installation.
 - Follow each installation or repair step exactly as shown and explained in this guide.
 - Observe all local, state, national, and international electrical codes.
 - Pay close attention to all warnings and caution notices given in this guide.
1. Before installing or servicing system, always turn off main power to system.
Note: There may be more than one disconnect switch.
 2. AtmosAir equipment must be installed with a proper ground. The electrical cable enclosed with your AtmosAir unit must be used as it has a special plug which provides a ground circuit for the equipment.
 3. Always replace fuse with the same rating and type of fuse.
 4. Failure to follow this caution may result in personal injury or product and/or property damage.
 5. Although special care has been taken to minimize sharp edges in the construction of your unit, be extremely careful when handling parts or reaching into the unit.
 6. Do NOT block or obstruct the air flow over or around the ionizing tubes.
 7. Do NOT touch ionizing tubes when power is on.
 8. Tube cleaning should be performed only when the power is disconnected.
 9. The tubes require minimal cleaning with routine operation and maintenance.
Longer operating cycles and reduced ionizing efficiency may indicate the need for cleaning or replacing tubes by your AtmosAir dealer or qualified installer.



Disclaimer: The air purification technologies provided by Clean Air Group are intended to improve indoor air quality. They are not intended as a replacement for reasonable precautions aimed at preventing the transmission of contaminants, airborne or otherwise. All persons having access to the serviced premises should comply with applicable public health laws and guidelines issued by federal, state and local governments and health authorities such as the Centers for Disease Control and Prevention (CDC). Clean Air Group does not maintain that its products will protect people from all modes of transmission of bacteria, viruses or other contaminants, and excludes liability for loss or damage arising from any such claims or the consequences arising out of the application, use or misuse of its products.

Table of Contents

01 OPERATING INSTRUCTIONS	6
Package Contents	6
Choosing Location	6
Unit Setup	6
02 GENERAL USE GUIDELINES	7
Unit Settings	7
Unit Settings Continued	8
Room Conditions	8
Care and Handling	8
Maintaining Your Unit	8
Maintaining Your Unit Continued	9
03 TROUBLESHOOTING	10
System Not Powering On	10
Power Light Will Not Illuminate	10
Unit Keeps Blowing Fuses	10
04 TUBE REPLACEMENT	11
Procedure	11
05 PRODUCT WARRANTY	19

01 OPERATING INSTRUCTIONS

Congratulations on your purchase of the AtmosAir Rainier Summit R1/R2 portable air purifier. The Rainier uses state of the art bi-polar ionization technology and high efficiency filtration to provide cleaner healthier indoor air. The following guide will provide you with instructions on how to properly setup and use your unit so you may enjoy its benefits for many years.

Package Contents

After unpacking the Rainier be sure the following are included in the package:

- The Rainier R1/R2 Unit w/ Replaceable Filter
- Power Plug Adapter
- Warranty Registration Card
- User Instructions
- Spare Fuse

Choosing Location

The Rainier R1/R2 was designed to be able to purify an area up to 800 square feet (74 m²) at 1 air change per hour or 400 square feet (37 m²) at 2 air changes per hour for spaces such as large bedrooms, offices, kitchens, family rooms, etc. The best place to locate the unit is 4' to 7' (1.2 to 2.1 meters) off the floor in a central area within the room you desire to purify. For example a desk, table, shelf or other suitable space. The unit should never be placed on the floor as it will not be able to purify effectively. The unit should never be placed in an unsteady spot as damage to the unit may occur if it falls. Also please never let the unit become wet as damage to the unit may occur.

Unit Setup

After you've placed the unit in a suitable spot, simply plug into a standard wall receptacle. The unit comes with a universal wall plug which can accommodate multiple wall plug adapters. Simply snap on the wall plug adapter included with the unit to the universal wall plug. Turn the On / Off switch on the rear to the On position. The power light (1) will come on indicating the unit is powered and ready for use. If the unit does not power on, check the troubleshooting steps included in this guide.

02 GENERAL USE GUIDELINES

Unit Settings

There are 2 control knobs on each unit, one for Ion Control (2) and another for Fan Speed (3). These allow you to adjust the unit to suit spaces small and large up to its maximum effective range. The Ion Control has a variable adjustment knob. Turning the knob clockwise will increase the ion level. The Fan Speed Control also has a variable adjustment knob. Turning the knob clockwise will increase the fan speed. After powering on the unit, adjusting these 2 controls will allow you to achieve the purification need best suited for your application. It is recommended to initially start with the Fan Speed at full power, turned fully clockwise and the Ion Control at 20% power or only turned 20% clockwise.

If needed, gradually increase the ion control clockwise to achieve the air purification or odor reduction effect to best suit your application. It is always recommended to keep the Fan Speed at full power or fully clockwise as this will allow the system filter to trap the most dirt and the bi-polar ions to be projected out into the room for optimal effectiveness.

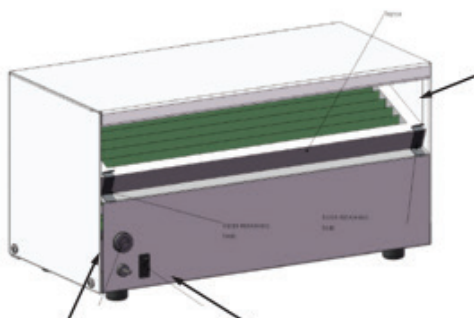


- 1 Power On Light
- 2 Ion Level Control Knob
- 3 Fan Speed Control Knob

Ion Level Control Knob 3 Fan Speed Control Knob



*Turn Either Knob to the Right to Increase Power
Or to the Left to Decrease Power*



System Filter 4

Power On Switch 5

6 System Fuse

Continue on Next page

Unit Settings continued

If during initial adjustment you notice a “sweet” or “metallic” presence in the air, this may be caused by the Ion Control being set too high or the Fan Speed set too low and too many ions for the space the unit is applied to. Adjust the Ion Control down and the Fan Speed up to balance the ions. Over ionizing is not optimally effective for air cleaning.

Room Conditions

The conditions of a space, dust levels, odors, chemicals and other contaminants will have an effect on the square footage capacity of the unit. As more odors are present or dusty conditions occur, more ions are needed to achieve good air cleaning and will reduce the effective area the unit can treat. Also in dusty conditions or heavy chemical contaminant conditions the system filter may need to be replaced more frequently. Maintenance and filter replacement will be covered on the following page.

Care and Handling

With some basic care and precaution your Rainier R1/R2 should give you years of trouble free use. Please follow all of the recommended maintenance steps which are detailed on the following page. These are intended to keep your Rainier operating at top performance and trouble free. Failure to follow the recommended maintenance intervals may result in premature wear of the unit and system failure which will not be covered by manufacturer's warranty.

While the unit is made of sturdy construction, please do not drop the unit as damage may occur. Placing the unit in wet conditions, areas of condensing moisture, or in areas of high relative humidity (70% or above) can cause premature wear and malfunction. Please avoid these areas. Excessive heat can also cause premature wear and malfunction. Avoid areas where temperatures will exceed 100 degrees F or 38 degrees C.

Maintaining Your Unit

The Rainier R1/R2 will require maintenance at certain intervals to ensure optimal performance and protection against premature wear. There are 2 main components that will need periodic replacement, the system filter and the bi-polar ion tube.

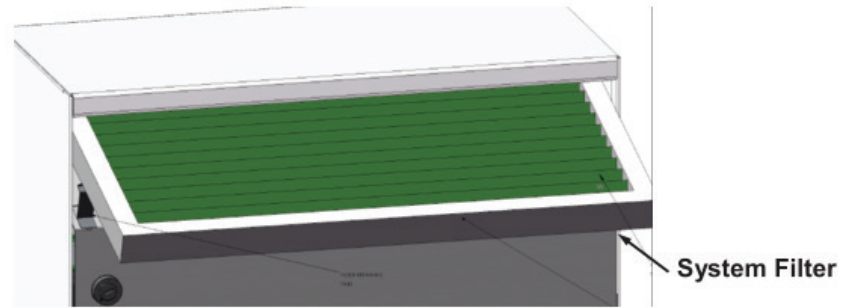
The system filter is intended to capture dust and dirt and chemical contaminants. The R1/R2 is equipped with a high efficiency pleated filter to help filter out dust and particles which is impregnated with carbon to help capture gasses and odors.

Warning—Before attempting any service to the unit be sure the unit is switched off and power plug is disconnected!

To replace the filter, simply remove the filter which is located at the rear of the unit, by first pulling upward and then outward and replace with the new filter.

Continue on Next page

Maintaining Your Unit continued



Be sure to place the new filter in snugly and to note you are placing the filter in the correct orientation, by noting the airflow direction arrow on the side of the filter.

Inside the unit on the filter holder frame, there is a small power defeat switch to ensure the unit cannot operate without a filter installed. When installing the new filter be sure to place the new filter tightly down so that good contact is made and the switch remains down so the unit can operate.

Replacement filters packs come in a quantity of three (3). These can be purchased from the AtmosAir reseller where you purchased your Rainier. The filters for this unit are custom designed for the unit and are only available from an AtmosAir reseller.

03 TROUBLESHOOTING

System Not Powering On

- Check your power source to be sure there is power to the unit. Check the wall plug to be sure the plug adapter is securely snapped into place.
- Check to be sure the unit is in the "On" position.
- Check to ensure the system filter is securely in place and depressing the power defeat switch down so that the unit can operate.
- Check the system fuse located at the rear of the unit and replace if all the above have been checked and a blown fuse is causing the malfunction.

Note: If all the above steps have been performed and the unit still will not power on, contact the reseller you purchased your unit from for more assistance and possible warranty service.

Power Light Will Not Illuminate

Follow all the above steps for powering on. The power light will illuminate if the system is powered and functioning.

Unit Keeps Blowing Fuses

First check to be sure the power source is rated for the same voltage as the unit. Also ensure you have a steady power source free of power surges, use a surge protection device if needed.

If power is correct and stable, blown fuses can be a sign of an internal short circuit or a malfunctioning bi-polar ion tube. Contact your AtmosAir reseller for assistance if this problem persists.

04 TUBE REPLACEMENT

This is the procedure for replacing the glass 'B' Sized tube in an AtmosAir Rainier R1/R2 ionization unit.

At the end of its service life, the ionization tube must be replaced in order to keep the ionization unit working correctly. The End user must remove the old tube and install a new, genuine AtmosAir ionization tube.

CAUTION! DO NOT LAY THE RAINIER DOWN ON ITS CONTROL KNOBS OR INDICATOR LIGHT. THE ROTARY KNOBS AND SWITCHES WILL IMMEDIATELY BE DAMAGED AND NOT COVERED UNDER WARRANTY.

Either, gently lay the unit on a rag/piece of thick foam and let the knobs protrude over a tabletop. Or prop the unit up on a suitable spacer like wooden 2x4's to assure no weight is put on the knobs.

Items you will need:

- New AtmosAir MCG glass tube 'B' size
- Phillips no. 2 screwdriver
- Needle nose pliers
- Recommended - Towel or foam pad to avoid scratching work surface or ionization unit

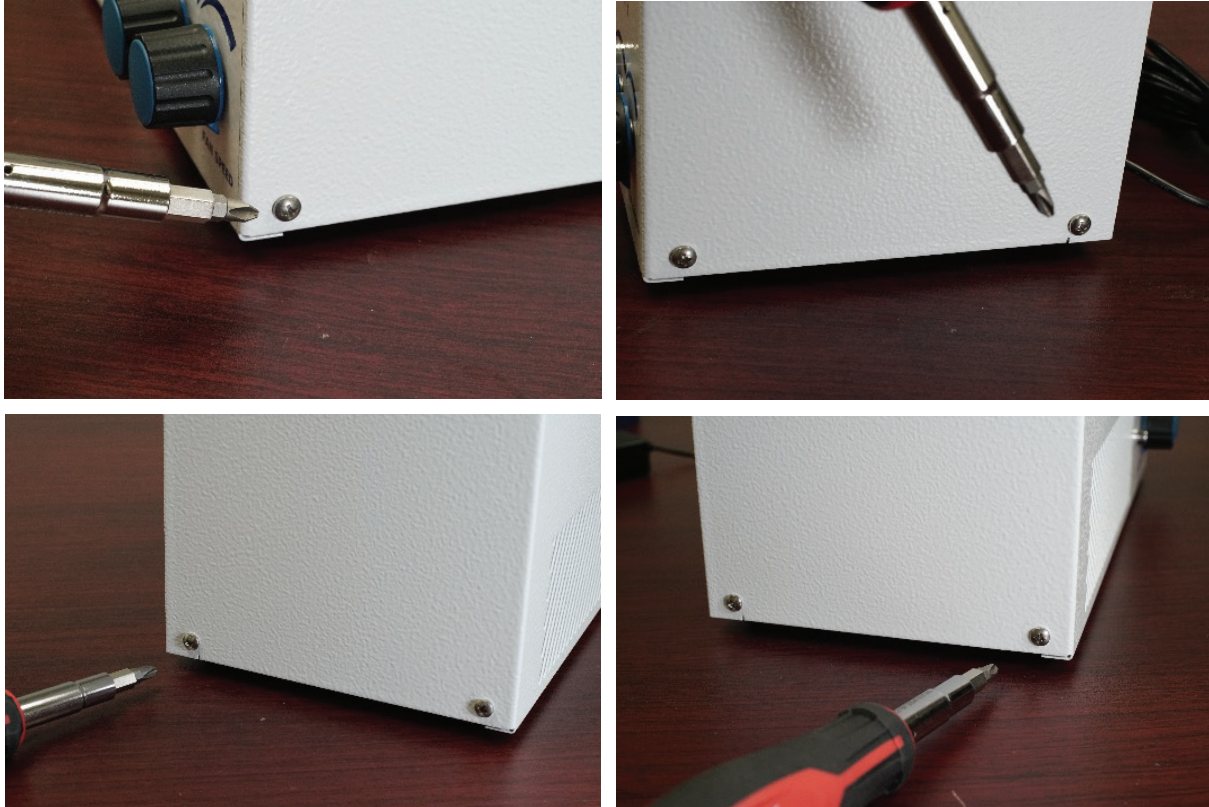
Procedure

1. Ensure the unit is **turned off** and **unplugged** before continuing. Never attempt to service the unit while it is plugged in and or turned on.



Continue on Next page

2. Identify the 4 Phillips-head machine screws that must be removed in order to open the unit. They are located on the right and left side of the unit towards the bottom.

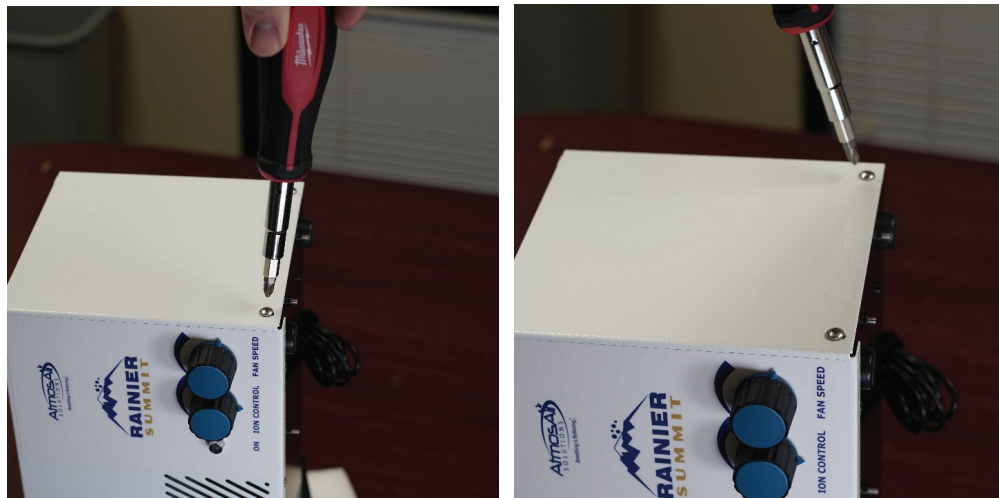


3. Place the unit standing upright, on one of its sides, preferably on a towel or foam pad in order to not scratch the unit or work surface.
4. Begin by removing the two screws on one side, by hand, using a Phillips no. 2 screwdriver.



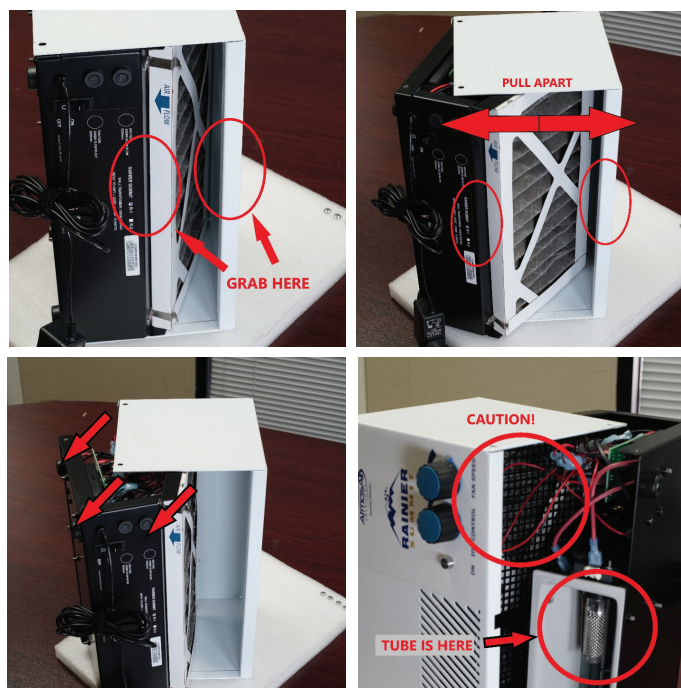
Continue on Next page

- Once the screws on one side are removed, turn the unit over and remove the screws on the opposite side.



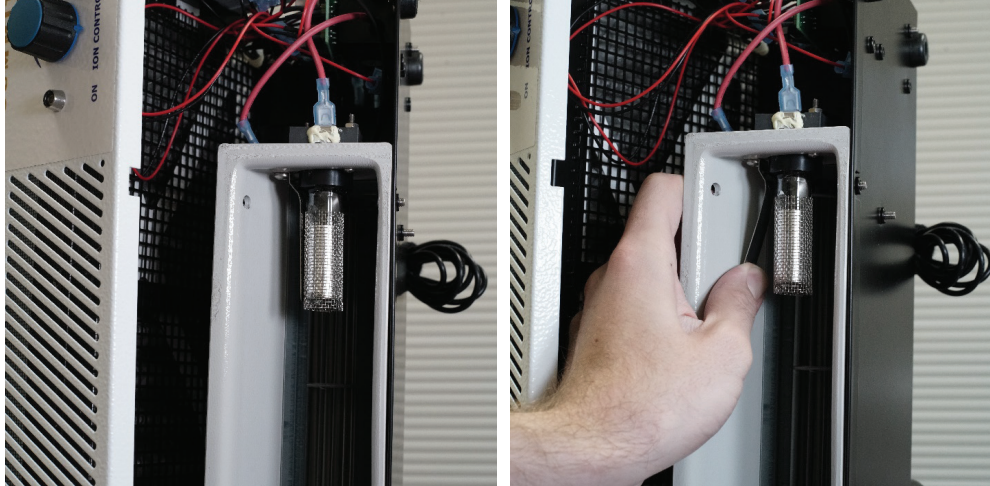
CAUTION: REFER TO STEPS 7 & 8 BEFORE PROCEEDING TO STEP 6. DO NOT PULL THE BLACK CHASSIS AWAY FROM THE WHITE CHASSIS TOO FAR OR WITH TOO MUCH FORCE OR YOU MAY DAMAGE THE WIRES ON THE CONTROL KNOB SWITCHES!

- Once all four screws have been removed, with the unit still on its side, turn the back of the unit to face you.
- Using one hand to grip the white part of the chassis, use the other hand to pull the black part of the chassis out and away from the white part. Do not pull too far or with too much force.
- Pull the black part out towards you so that the tube can be accessed from the front. Do not pull too hard or with too much force.



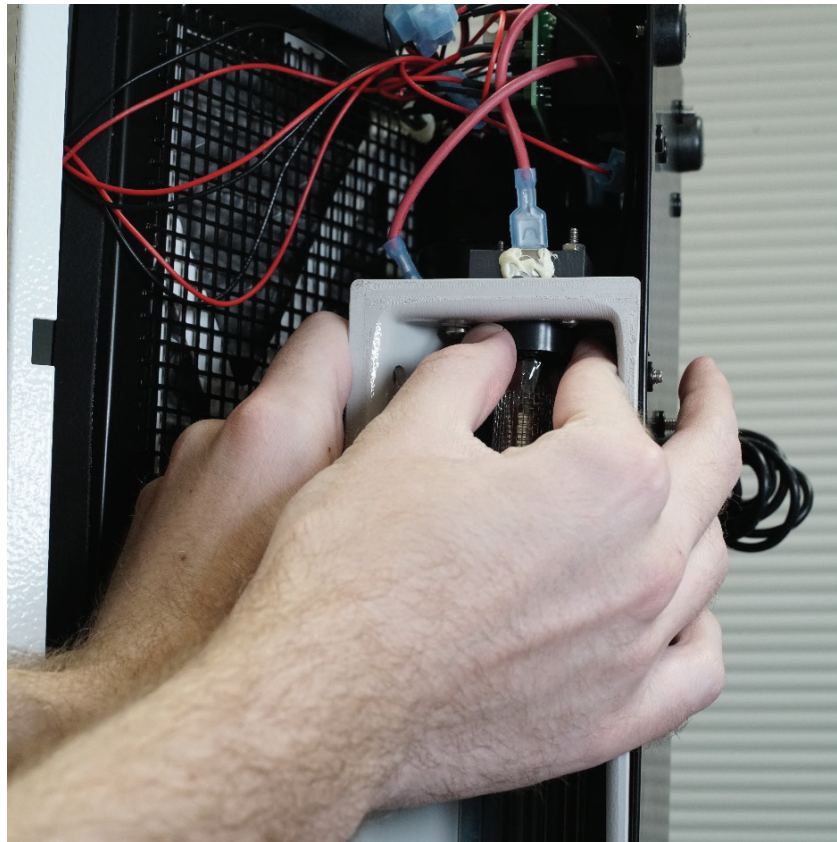
Continue on Next page

9. Turn the unit so that the ionization tube is facing you.
10. To remove the tube, use one hand to gently hold back the metal spring tang.



11. With the other hand, hold the plastic cap of the tube and spin the tube out of the tube holder.

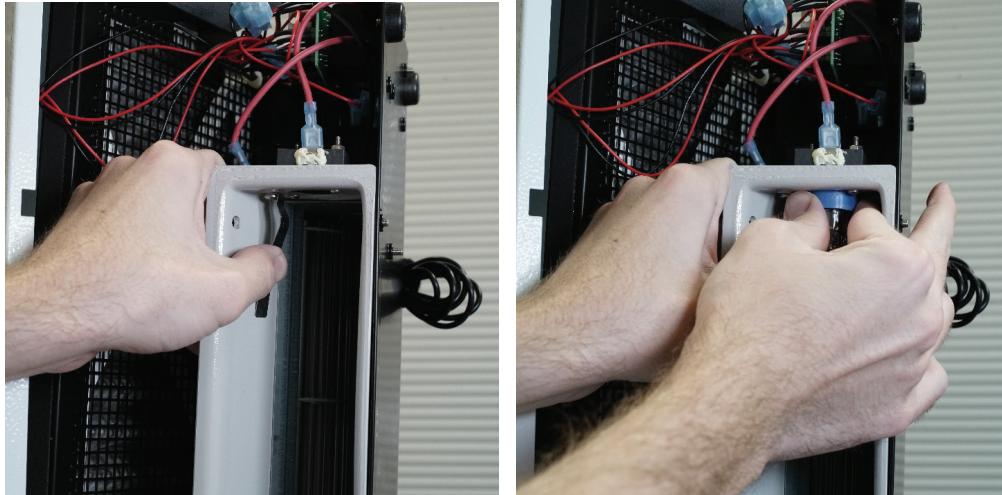
Do not grab the glass or the screen. Do not torque on the glass.



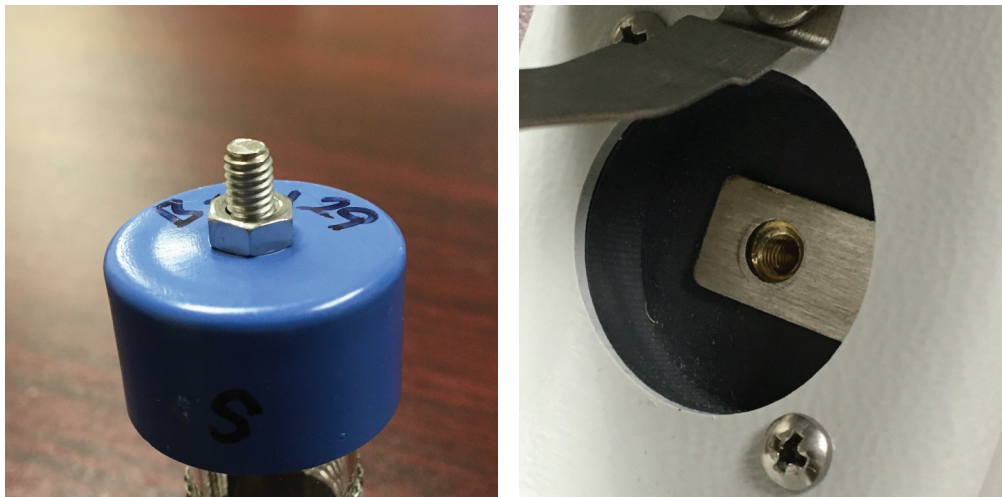
Continue on Next page

12. Once the old tube is removed, it may be discarded as it is made of recyclable materials.
13. To begin installing the new ionization tube, use one hand to gently hold back the metal spring tang.
14. With the other hand, hold the plastic cap of the tube and spin the tube into the tube holder.

Do not grab the glass or the screen. Do not torque on the glass.



15. Tighten carefully using the blue cap. Tighten until the nut on the tube screw is contacting the metal tab inside the tube holder. Firmly screw down all the way.



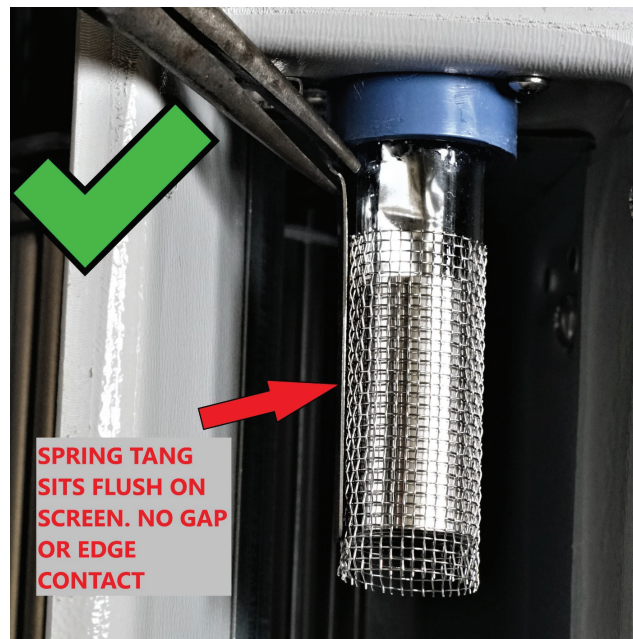
16. Once the tube is fully inserted and screwed down securely, gently let the spring tang relax against the tube emitter screen
Note: If the spring tang is being held away from the screen by the plastic cap of the tube, the tube may not be inserted far enough into the tube holder.

Continue on Next page

17. Check that the spring tang is lying flat against the screen without edge contact (as shown under step 18).



18. Needle Nose Pliers can be used to adjust the spring tang to lay flat against the surface of the screen. Assure that the maximum contact area is achieved.



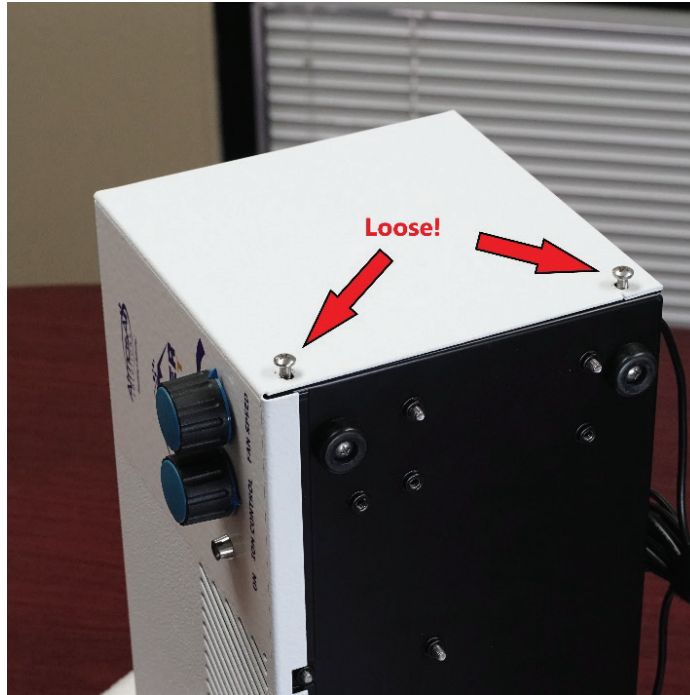
Continue on Next page

19. The unit is now ready to be reassembled. Begin by gently sliding the two halves of the chassis together, taking care not to pinch any wires between the metal parts.
20. Tuck the black part of the chassis under the lip of the white part (indicated) and close gently.



Continue on Next page

21. Align the holes, use a Phillips no. 2 screwdriver to start screwing in the two screws in one side but **leave them loose**. Do not tighten them all the way until ALL screws have been inserted.



22. Turn the unit over and repeat on the other side.



23. Once all screws are in, tighten by hand with a screwdriver. Do not use a drill.

05 PRODUCT WARRANTY



CLEAN AIR GROUP, INC. – PRODUCT WARRANTY

Clean Air Group, Inc. d/b/a AtmosAir Solutions ("Clean Air Group") warrants to the original purchaser of this product ("Customer") that should it prove to be defective by reason of improper materials or workmanship, for **twenty-four (24) months** from the date of installation, or **twenty-seven (27) months** from the date of Clean Air Group's original delivery of the product, whichever occurs first, Clean Air Group, at its sole option, shall repair or replace the product without charge to the Customer. Proof of malfunction and return of the non-working product must be presented by the Customer if submitting a warranty claim. This warranty is invalid if the factory-applied serial number has been altered or removed from the product. This warranty does not cover damage due to acts of God, misuse, abuse, negligence, or modification of or to any part of the product. This warranty does not cover damage due to improper installation, operation or maintenance, connection to improper voltage or electrical supply, or repair by anyone other than an authorized Clean Air Group service provider. To obtain warranty service, the Customer must: (1) provide proof of purchase in the form of a Bill of Sale or receipted invoice, with evidence that the product is within the warranty period; (2) request a Return Merchandise Authorization ("RMA") from Clean Air Group prior to shipping; and (3) ship the product with the RMA to Clean Air Group, freight prepaid, in either its original packaging or packaging affording an equal degree of protection. The product should be delivered to *AtmosAir, 600 Delran Parkway, Suite D, Delran, NJ 08075 (USA)*. All transportation charges and shipping expenses are the Customer's responsibility. A product returned for repair after the warranty period, or that shows damage outside of the warranty coverage described herein, shall be repaired for a reasonable charge as determined by Clean Air Group. The Customer will be advised of the cost of repair or replacement before Clean Air Group proceeds.

THE OBLIGATIONS OF CLEAN AIR GROUP HEREIN ARE EXPRESSLY GRANTED IN LIEU OF ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND CLEAN AIR GROUP SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED OR STATUTORY WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE FOREGOING LIMITATION OR EXCLUSION MAY NOT APPLY TO THE CUSTOMER.

Clean Air Group SHALL NOT BE LIABLE TO THE CUSTOMER OR ANY OTHER PERSON OR THIRD PARTY FOR ANY DAMAGES, INCLUDING BUT NOT LIMITED TO CONSEQUENTIAL, SPECIAL, INDIRECT, INCIDENTAL AND PUNITIVE DAMAGES AND/OR DAMAGES BY REASON OF INJURY TO ANY PERSON DUE TO ANY DEFECT OR MALFUNCTION OF THE PRODUCT OR ANY PART OR PARTS THEREOF OR FOR ANY OTHER REASON. This warranty gives the Customer specific legal rights and the Customer may have rights which vary from state to state. If the Customer's product is defective, the Customer should contact Clean Air Group or the dealer where the product was purchased.

Disclaimer:

The air purification technologies provided by Clean Air Group are intended to improve indoor air quality. They are not intended as a replacement for reasonable precautions aimed at preventing the transmission of contaminants, airborne or otherwise. All persons having access to the serviced premises should comply with applicable public health laws and guidelines issued by federal, state and local governments and health authorities such as the Centers for Disease Control and Prevention (CDC). Clean Air Group does not maintain that its products will protect people from all modes of transmission of bacteria, viruses or other contaminants.

Manufacturer,

A handwritten signature in black ink, appearing to read "Anthony M. Abate".

Anthony M. Abate
Chief Technology Officer
Clean Air Group, Inc.

AtmosAir™ Solutions Offered By Clean Air Group, Inc.
418 Meadow Street, Suite 204 • Fairfield, CT 06824
PH: (203) 335-3700 • FX: (203) 335-1075
www.AtmosAir.com