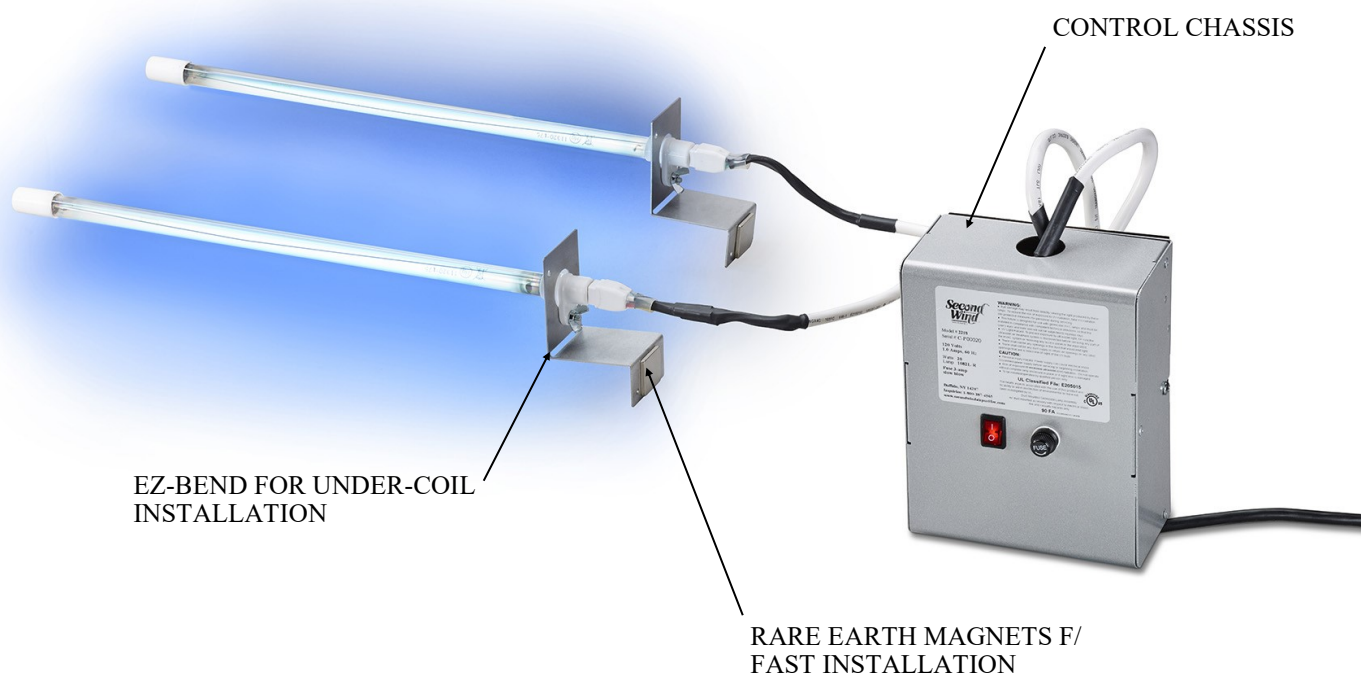




Second Wind Air Purifier 2218 Installation Manual



RECOMMENDED TOOLS		REPLACEMENT	PART#	CHANGE CYCLE
<ul style="list-style-type: none">• Electric Drill• Screwdriver/Nut driver• Tin Snips• Eye Protection• Ductboard Knife• Permanent Marker• Tape measure• Aluminum tape and sealant• Multimeter		LAMP	1082LR	ANNUALLY
		BALLAST	1651CR	AS REQ'D
OPTIONAL PARTS				
		<ul style="list-style-type: none">• TiRU Kit - Optional Odor Control System f/ Over-Coil Installation (non-ozone solution)• 1082 SIPT Optional 2 YR Lamp f/ Singlet Oxygen Odor Removal System (produces residual ozone)• 1082LR-TC Optional 2 YR Shatterproof Lamp		

WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY

- 1 Read these instructions carefully; failure to follow them could damage the product and cause a hazardous situation.
- 2 Installer must be a trained, experienced service technician
- 3 UV Light Hazard. Harmful to bare skin and eyes. UV radiation can cause temporary or permanent loss of vision. Never look at lamps while illuminated. To reduce the risk of exposure to UV radiation, take UV-radiation protective measures for personnel during servicing.
- 4 This fixture is designed for use with germicidal UV-C lamps and must be installed in compliance with competent technical directions so that user's eyes and bare skin will not be subjected to injurious rays.
- 5 UV Light Hazard. To prevent exposure to ultraviolet light, be sure the ultraviolet air treatment system is disconnected before servicing any part of the HVAC system or removing any access panel or the equivalent.
- 6 There shall not be any openings in the duct that would emit light.
- 7 There shall not be any duct supply or return air openings or any other openings that are in direct line-of-sight of the UV bulb.
- 8 Check damaged parts: Before further use of the unit, any damaged part should be carefully checked to ensure that the unit will operate properly. Any part that is damaged should be properly repaired or replaced.
- 9 Always service unit with Second Wind replacement parts & recommended accessories (i.e. lamps, ballast).

CAUTION: Disconnect power before starting installation or maintenance.

- 1 Personal Injury Hazard. Power supply can cause electrical shock. Disconnect power supply before servicing or beginning installation.
- 2 Risk of exposure to excessive ultraviolet (UV) radiation—Do not operate without all device components in place or if sight lens is damaged.
- 3 Equipment Damage Hazard. Ultraviolet light can cause color shift or surface degradation and sometimes structural degradation of non-metallic components. Select mounting location that prevents exposure to plastic flexible duct components, polyurethane foam insulation material, rubber hoses, wire insulations, etc. If mounting options are limited, items above should be protected with ultraviolet resistant materials such as aluminum foil, aluminum duct tape, or metallic shields.
- 4 Electrical shock hazard from 24 volt or 120/277 VAC may cause serious injury or death.
- 5 Follow Proper Disposal Techniques for UV lamps (pg.3)
- 6 Wear protective gloves and safety glasses when handling lamp. To prevent injury, unplug lamp connector and allow to cool for 10 minutes before servicing.

INSTALLATION:

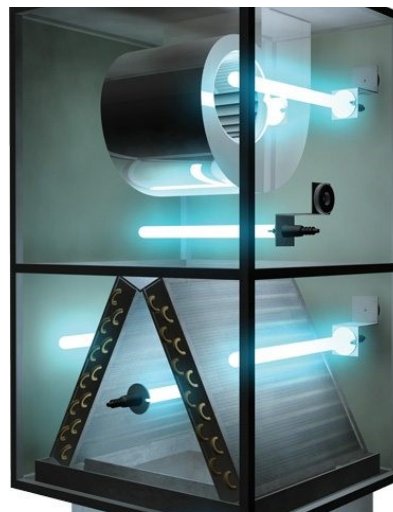
- Prime location for installation of this device is on the supply side duct just above the condensing coil (aka A-coil, slab coil, etc), but it can be installed on the return side if necessary.
1. Disconnect air handler from supply power.
 2. Product shall be mounted only on metal components OR fiberglass ductboard of air ducts or air handlers (AHU). If installing on fiberglass ductboard, reinforcement around mounting location may be required.
 3. Drill or Cut a hole 2-1/2 to 3" diameter in the ducting/ductboard for mounting over or around coil exterior. The lamp should be installed a minimum of 2-3 inches, maximum 36 inches away from the coil or pan surface.
 4. Remove masking from adhesive foam on back of mounting plate. Insert 2124-Z in ductwork cutout. With the ballast lead cord at the bottom of the unit, press 2414-Z against ductwork wall, exercising caution if fiberglass ductboard application. If mounting to sheetmetal ductwork, use mounting plate as template and secure with supplied self-tapping screws.
 5. Affix ballast near 24V power supply with included mounting hardware.
 6. Open cover to reveal lamp connector (see lamp replacement procedure on page 3). Affix lamp connector to lamp base.
 7. Connect ballast to 24V transformer.
 8. Replace protective covers previously removed and re-connect to supply power.

Underwriters Laboratories Disclaimer:

The health aspects associated with the use of this product and its ability to aid in disinfection of environmental air have not been investigated by UL.

INSTALLATION & MOUNTING LOCATIONS

1. Place chassis (see pg1) of unit near permanent location
2. Install the lamp where you have easy access. Ensure that enough lamp lead cable is present. If not, relocate chassis until cables can be easily connected to lamps.
3. Drilling is not required for mounting over or around coil exterior. Before installation under A-coil make sure before drilling into equipment that there is nothing in the way that would be damaged. Z –bracket to be clipped at EZ bend to enable mount of lamp under A-coil
4. The lamp should be installed a minimum of 2-3 inches, maximum 36 inches away from the coil or pan surface.
5. When looking for a mounting location try to install the unit away from non UV resistant plastics, rubber, and other non metallic materials. Shield these components using sheet metal, aluminum tape, or metal conduit.
6. Secure chassis to air handler with included hardware
7. Drill 1/4" dia hole near mounting location of each lamp and install LED lens (incl in hardware kit) for visibility of lamp operation
8. Connect unit to 110V power and turn power switch to 'ON' position



TROUBLESHOOTING

If the unit does not work, check the following:

Electrical Supply/Wiring—Verify that the electrical service is operating correctly.

Ballast—If lamp(s) do not illuminate, disconnect from power supply and check the wiring to the ballast. If the ballast is wired properly and the wires are ALL connected, there is no power to the ballast or the ballast has failed and requires replacement. If power is proper and within proper voltage (100-130V), contact supplier for replacement ballast

Lamp—Verify that the lamp is not broken and is properly seated in the lamp connector. To check this, follow steps in the 'Lamp Replacement' section with one exception: you should not remove and replace the lamp. If the lamp is broken read the 'Lamp Disposal' section of this manual. In rare occasions, rotating the lamp connector 180 degrees and re-seating against the lamp pins may solve the failure.

LAMP REPLACEMENT	<p>Replacement of the lamp is recommended by a qualified HVAC Service Technician.</p> <ol style="list-style-type: none"> 1. Disconnect electrical service and turn unit off. 2. Disconnect lamp connector from lamp base and remove plastic wing nut from lamp base. 3. Remove old lamp CAUTION: old lamp may still be hot! 4. Replace the old lamp with the new lamp, making sure the new lamp is clean and properly seats against Z-bracket or Partial Z-bracket when mounted under-Coil. Clean the new lamp with an alcohol wipe if dirty or has fingerprints on it. 6. Attach lamp connector to the lamp base. Return Z-bracket to original install location. 7. Reconnect unit to electrical service. 8. If lamp does not immediately illuminate, turn off electrical service and unit. Reverse pin contacts in connector by rotating connector 180 degrees
LAMP DISPOSAL	<p>UV lamps contain mercury like other household lamps and must be disposed of properly. State requirements and recycling opportunities vary, go to www.lamprecycle.org for State Regulations & Contacts. Please contact your county waste collection department for proper disposal details.</p> <p style="text-align: center;">USE GLOVES AND EYE PROTECTION</p> <p>If a lamp is broken, do not use a vacuum cleaner to pick up the waste . Instead, sweep up the waste into a plastic bag and seal. Contact your county waste collection department for proper disposal details.</p>



ATTENTION INSTALLERS AND HOMEOWNERS

**YOUR SECOND WIND PRODUCT MUST BE REGISTERED TO QUALIFY FOR WARRANTY CLAIMS
SEE CONTAINER OR CALL 1-866-476-5101 (IN USA) OR 1-888-216-9184 (IN CANADA) FOR ASSISTANCE**

SECOND WIND AIR PURIFIER WARRANTY

The Second Wind 2124-Z that is attached to your Heating, Ventilation and Air Conditioning System (HVAC) has the following warranty, applicable in USA by General Filters Inc (GFI), and in Canada by Canadian General Filters Limited (CGF)

ONE (1) YEAR WARRANTY COVERAGE LAMPS

The lamps are warranted for a period of one (1) year from the date of the original installation, when installed and operated in accordance with GFI and CGF recommendations. If during this period a lamp fails, GFI & CGF will provide a free replacement.

LIFETIME LIMITED WARRANTY

GFI & CGF warrants this product, excluding lamps and ballast to be free from defects in the workmanship or materials, under normal use and service, for the lifetime of the product from the date of original installation, when installed and operated in accordance with GFI & CGF recommendations. If during this period a covered component fails, GFI & CGF will repair or replace the part.

LIFETIME BALLAST WARRANTY

The ballast is warranted by GFI and CGF for the lifetime of this product, when installed and operated in accordance with installation recommendations. If during its lifecycle, the ballast fails, GFI or CGF will provide a free replacement after failure is returned for evaluation.

SHIPPING, REPAIRS AND ALL OTHER COSTS OF WARRANTY SERVICE

End user must pay shipping charges and all other costs of warranty service. GFI & CGF will not pay labor involved in diagnostic calls or in removing, servicing, or replacing parts. All repairs of covered components must be made with authorized service parts. Labor charges resulting from diagnostic calls or service are not covered by this warranty.

CARE OF EQUIPMENT

Your new Second Wind Air Purifier must be properly installed, operated and maintained in accordance with the unit installation, operation, and maintenance instructions provided with each unit. Failure to provide maintenance per these instructions will void warranty.

WARRANTY LIMITATIONS

This warranty will be voided if the covered equipment (only Second Wind replacement parts or units are warranted) is removed from the original installation site. This warranty does not cover damage or defect resulting from:

- 1 Accident, or neglect or unreasonable use or operation of the equipment, including operation of electrical equipment at voltages other than the range specified on the unit name plate.
- 2 Modification, change or alteration of the equipment, except as directed by GFI & CGF. The furnishings of replacement parts under terms of this warranty will apply to the original warranty period and will not extend the warranty.

GFI & CGF makes no express warranties other than the warranty specified above. All implied warranties, including the implied warranty of merchantability and fitness for a particular purpose, are limited to the duration of the warranty specified above. Liability for incidental and consequential damages is excluded and is not covered by this warranty. Some States do not allow limitations on the duration of an implied warranty or the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

General Filters Inc & Canadian General Filters Ltd shall not be liable for any default or delay in performance under this warranty caused by any contingency beyond their control.

WARRANTY PROCEDURE

All Second Wind Air Purification systems that are attached to your Heating, Ventilation and Air Conditioning System (HVAC) have a limited unit warranty. To receive warranty consideration, the following must be provided.

- 1 Be prepared to furnish the following information:
 - a- Complete model number and serial number
 - b- Proof of installation date if warranty claim is made by other than a qualified service dealer who maintains records of your installation date and service history.
 - c- An accurate description of the problem.
 - d- Date of failure.
- 2 Call the installing dealer that you purchased your Second Wind device from.
- 3 If the installing dealer is unable to provide warranty parts, contact:

General Filters Inc,
43800 Grand River Ave
Novi, MI 48375
Phone: 1-866-476-5101

CGF Products Ltd.
400 Midwest Road
Toronto, ON M1P3A9
Phone: 1-888-216-9184

Email: service@secondwindairpurifier.com