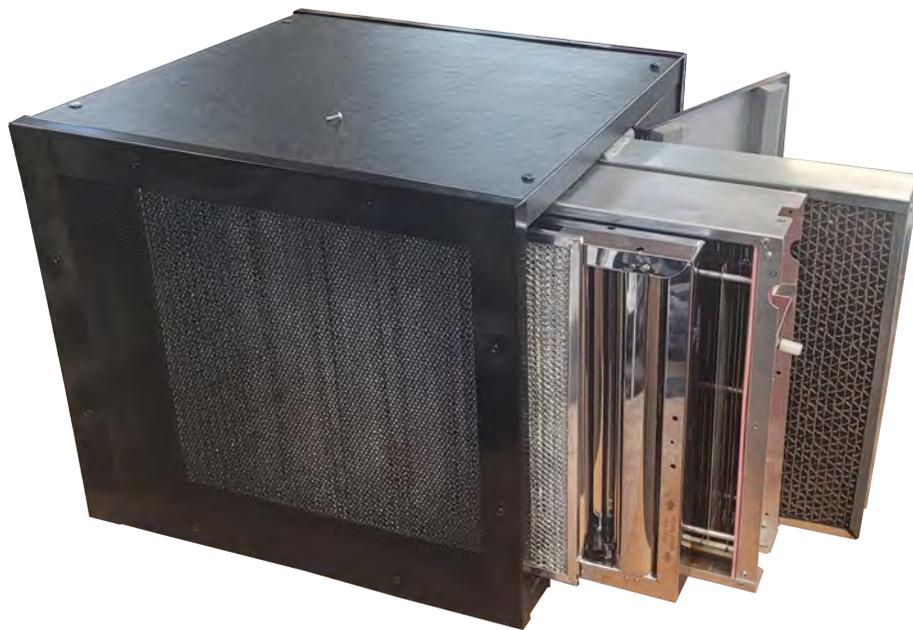


lakeair[®]

Clean Air ~ Everywhere

Operating and Service Manual LA2-RC2-Kitchen



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ABOUT Your LA2-RC2-Kitchen

The LA2-RC2-Kitchen air purifier was designed to provide long service. The unit was designed to be easily repairable. The product warranty is 7 years but you can expect 15 or more years of useful product life. The LA2-RC2-Kitchen is a heavy duty all air purifier. There are no circuit boards. We use simple switches that if necessary are easy to replace.

Unpacking

Your LA2-RC2-Kitchen air purifier is shipped on a 26" x 26" pallet. If you ever need to ship your air purifier back to the factory it MUST be shipped strapped to a pallet. The LA2-RC2-Kitchen was designed to be easily repaired so it is unlikely to need to ship your unit back.

Care should be taken while unpacking the MAX Guard. The unit is quite heavy and the box should be placed in the upright position. It may be necessary to slice the corners of the box if you are unable to lift the unit out.

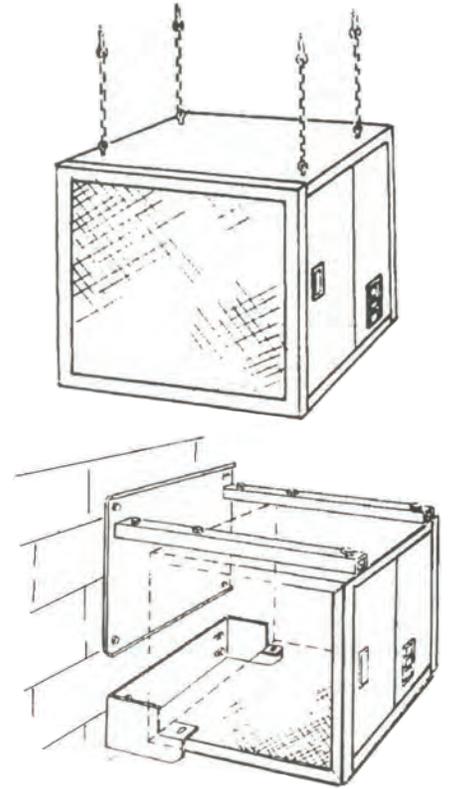
It is a good idea to get help from another person while removing the unit from the box. Place the air purifier on a flat surface. The LA2-RC2-Kitchen is a high-volume air purifying system and can clean the air in a large area. However, to clean the air, the air must get to the unit. Unit location will be best if the product is centrally located in the room. Use of an additional fan to move the air in the space may be helpful.

MOUNTING YOUR LakeAir MODEL LA-1400S OR 2000S ELECTRONIC AIR CLEANER

LakeAir provides a 10' cord with every air cleaner, but it is the responsibility of the purchaser to provide adequate outlet which meets local codes. An approved extension cord may be used if it meets local and national codes.

The LA2-RC2 units are designed with 4 mounting holes on the top and the bottom of the unit. LakeAir provides eye bolts with the units so they may be hung by chains from supporting beams on the ceiling. If you choose the optional wall mount for the LA2-RC2 see the instruction sheet included with the Model 10009 Wall Mount. To mount using the included eye bolts, follow the instructions below. The unit may be hung so the air flow is from the left to the right, or from the right to the left depending on the needs of the customer.

1. Choose an area which compliments the rest of the air flow in the room before you mount the air cleaner.
2. Make sure you have correct lengths of chain, and that it is capable of sustaining the weight of the unit. Standard hardware item, link chain with a working load of at least 100 lbs. Also make sure you have mounting lag screws or equivalent fasteners to attach the chain to the ceiling beams or studs. In some instances, it may be necessary to construct a mounting frame to properly suspend the unit.
3. Locate the ceiling studs or beams and attach the correctly sized chain. Chain length should be such that it will not allow the LA2-RC2 to have a floor to bottom height which would pose a hazard to room occupants. LakeAir recommends a minimum height of eight feet from floor to bottom when chain hung.



Operation

Plug the line cord into a standard household outlet with 120V AC 60 Hz. Caution should be taken to operate the unit with the required voltage, as to do otherwise may damage the unit and void the warranty.

The unit starts in turbo speed. As you rotate the knob clockwise the unit's blower speed will slow. To turn off: Turn counter clockwise until you hear a click. Note: blower normally takes 5-10 seconds to start rotating. Most times you will not need to run the LA2-RC2-Kitchen in turbo mode. There is sufficient volume of air purification to run the unit at a slower speed with little noise and still clean the room air sufficiently.

Getting to Know your LA2-RC2-Kitchen

All LA2-RC2-Kitchen filter package include a pre filter, grease filter, electrostatic filter cell and carbon filter. It is important to regularly inspect, clean and replace filters as needed. Failure to do so may lead to poor unit performance and voiding of the product warranty. The Blowers in this unit depend on air flow to keep the cool. Insufficient air flow may cause the motor bearings to over heat and fail. The Blowers are rated for 60,000 hours of normal use. Proper maintenance can greatly extend the blower life.

Maintenance

Your LakeAir Air Cleaner is a high quality, precision piece of equipment designed for many years of satisfactory performance. Adhere to a regular maintenance schedule and no problems should occur. This unit should be checked periodically for dust load and grease accumulation. It should be cleaned if found to have a large accumulation of grease, dust and lint. Under regular conditions The carbon filter should be changed every 3-6 months. When odors are no longer being removed, it is time to replace the carbon filter. The electrostatic filter cell should be washed every 2-4 months. The prefilter should be cleaned every 2-4 months. When used in a smoky environment the LA2-RC2-Kitchen filters should be serviced more often.

A. REMOVAL OF ELECTRONIC CELLS(S), PREFILTER SCREEN, AND CARBON FILTER

1. Turn off the ELECTRONIC AIR CLEANER
2. Disconnect the power supply cord.
3. Open the door by removing the 2 thumb screws. Remove the pre filter, grease filter, carbon filter and electrostatic cell.

Note: The first time you remove the cell from the unit you must first remove the small grounding screw which is used to anchor the cell during shipment and provide a ground.

B. CLEANING THE PREFILTER SCREENS and Grease Filter

Use a damp rag to wipe off the inside and outside of the cabinet which acts as the first pre filter. Remove the prefilter screen from the cell assembly and wipe off with a damp cloth. It is your second pre filter. Remove and wash the grease filter in hot soapy water.

C. CLEAN CARBON AFTERFILTERS by vacuuming or brushing. **DO NOT WASH.** Replace carbon filters as needed

D. REMOVE DIRT ON ELECTRONIC CELL by one of the following methods:

a) Run through full cycle on dishwasher using a detergent marked "Safe for Aluminum". Allow to dry thoroughly.

b) Soaking Method:

1. Use a washing container large enough to hold the cells, such as a laundry tub or trash container.
2. Fill container with hot water.
3. Dissolve 1-1 1/2 cups dishwasher detergent, or use a detergent marked "Safe for Aluminum".
4. Soak cell for 15 minutes, agitate and remove.
5. Rinse cell with a fine spray of water.
6. Soak cell in clean hot water for 15 minutes.
7. Allow cell to dry thoroughly.

c) High Pressure Steam Cleaner – Car Sprayer Method

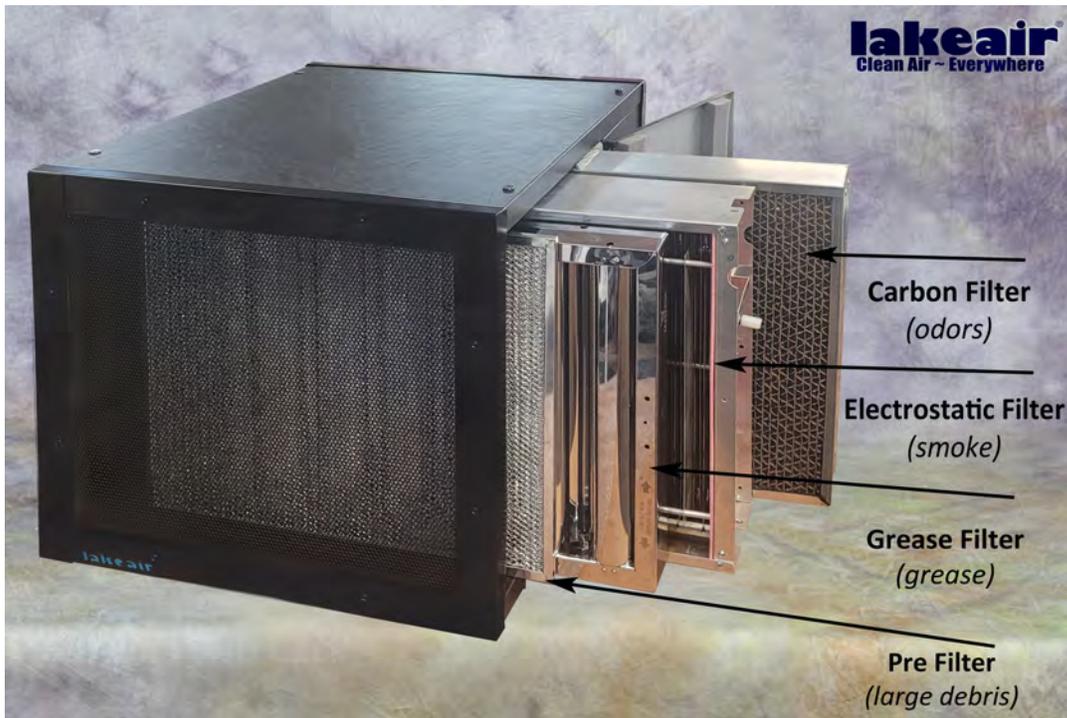
1. Saturate Cells
2. Spray on liquid detergent or cleaning solution marked "Safe for Aluminum".
3. Wash.
4. Rinse with hot water.
5. Allow cell to air dry thoroughly.

Inspect cells. If any dirt remains, repeat cleaning procedure. If it is necessary to repeat the cleaning procedure, it is advisable to increase the washing frequency.

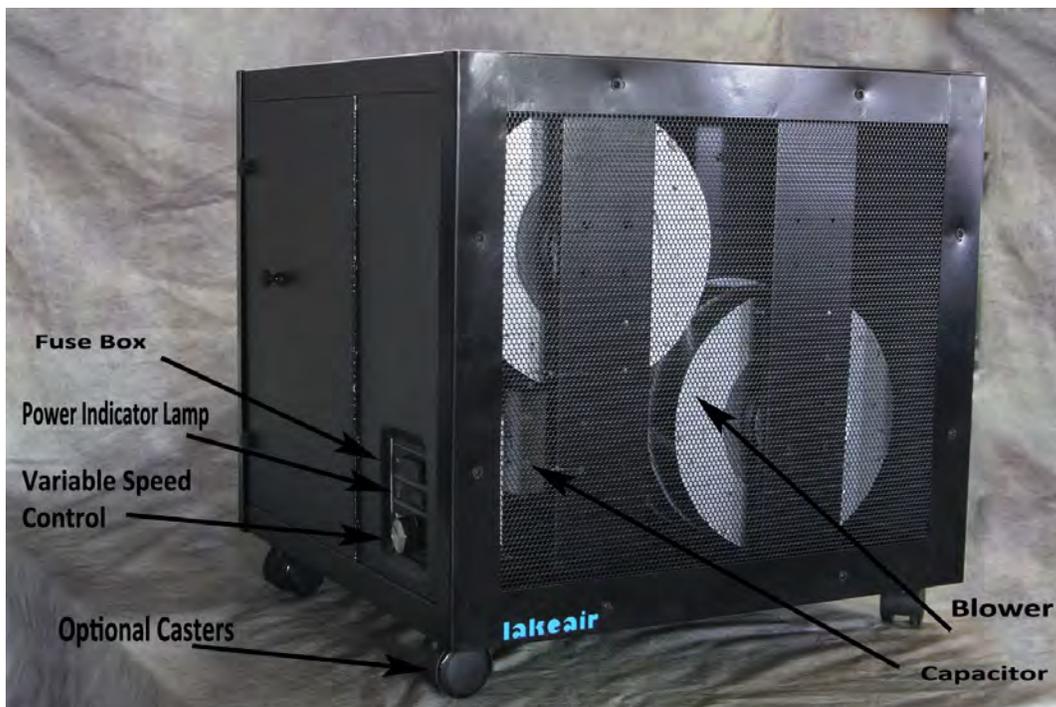
Check cells for bent plates and broken ionizing wires. Reinsert cells and carbon filters.

DO NOT INSERT CELLS if not completely dry.

LA2-RC2-Kitchen Major Parts



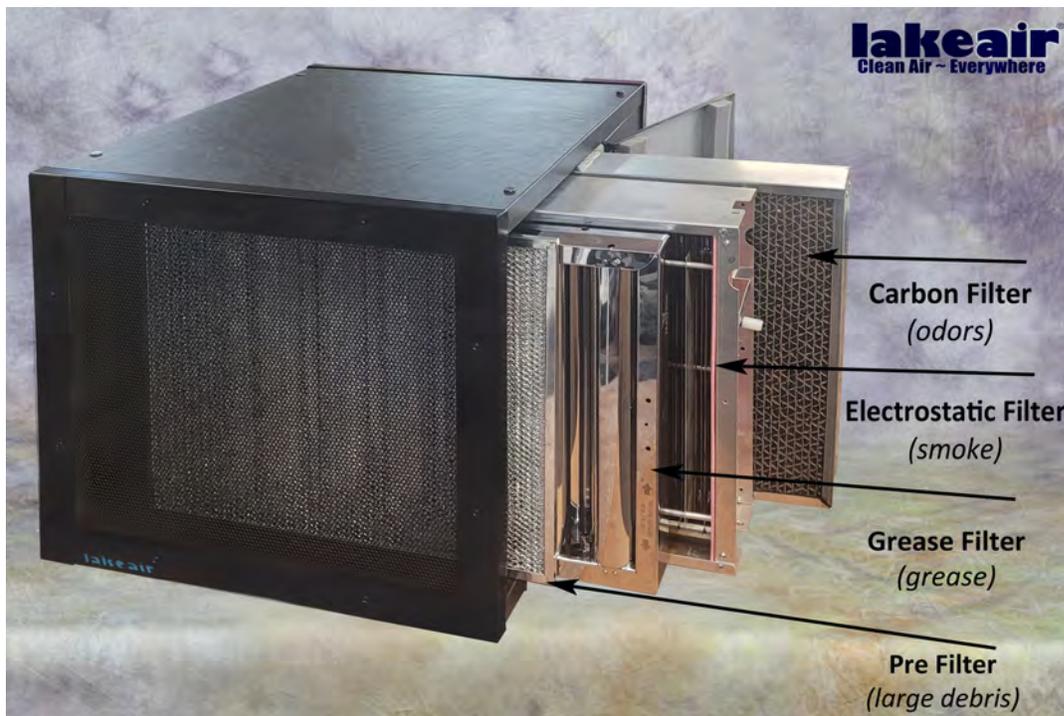
Carbon Filter	490060	Fuse Box	497546
Electrostatic Filt	101213	Power Indicator	100139
Grease Filter	490330	Speed Control	371922
Pre Filter	490051	Blowers	300781



Filter Removal and Installation

The pre filter is the first of 3 filters used in the LA2-RC2-Kitchen. The pre filter removes large particles from the air stream. It also extends the life of the main filter. The pre filter's rating is MERV 2 and its Part# is 490051. The pre filter is mounted closest to the air intake. This filter slides out

The grease filter is next in line moving back from the intake towards the blowers. This filter uses baffles to trap grease that is suspended in the air. This filter is held in snugly but will slide out as well. This filter should be checked regularly for grease build up.



The 3rd filter in the air purification line is the electrostatic cell. This filter is held in by a screw that helps provide a ground for the filter and help it run efficiently. Remove the screw using a Philips screwdriver. Always replace the screw after washing this filter.

The final filter is a Ultra 3.0 carbon filter, This filter removes kitchen odors and gasses. Carbon can hold a finite amount of odor and after it has absorbed all it can it must be replaced, This will depend on the amount of odor in your kitchen. When the filter has stopped absorbing odors it must be thrown away and replaced. You cannot wash a carbon filter.

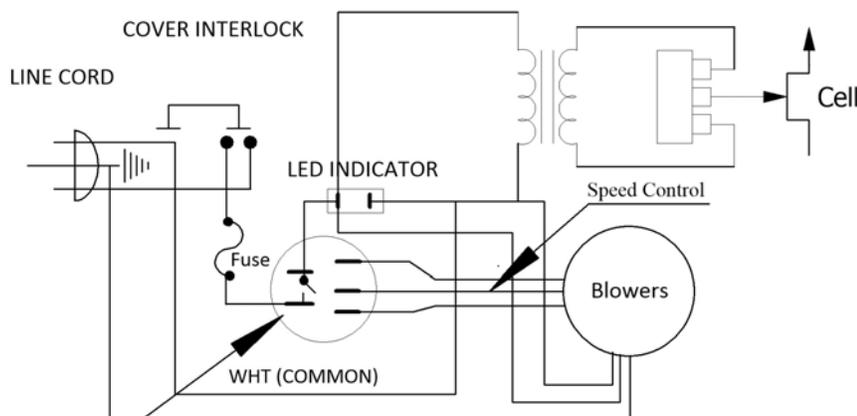
Filter cleaning and replacement recommendations.

Filter	Part#	Replace / Clean
Pre Filter	490051	Clean Every 2-4 Months
Grease Filter	490330	Clean Every 2-4 Months
Electrstatic Cell	101213	Clean Every 2-4 Months
3.0 Carbon Filter	490060	Replace Every 2-6 Months

Specifications

Capacity		200 -1000 CFM
Pre Filter		MERV 2 Alumnum Mesh
Grease Filter		Baffle type 85% Efficient
Electrostatic Cell		97% Efficient to 0.1 micron
Carbon Filter		4 Chamber (2000 grams)
Blower Life		60,000 Hours
Unit Size		22" x 21" x 19 "
Unit Weight		105 Pounds
Shipping Size		26" x 26" x 32"
Power Usage		200 - 400 watts
Power		120v, AC 60hz 3.5 amps
Sound Level		38 - 65 dB(A) @15'
Variable Speed Control		Low - Turbo
Warranty		7 Year Limited

Wiring Diagram



Potentiometer

LA2-RC2-Kitchen Wire Diagram

LakeAir ELECTRONIC AIR CLEANERS 7 YEAR LIMITED WARRANTY

The LakeAir LA2-RC2-Kitchen Air Purifier is warranted by RK Ventures Inc. to the original purchaser to be free from defects in material and workmanship under normal use and service for a period of seven years from the date of purchase. The blowers of the LakeAir MAX Guard is warranted for (1) year from the date of purchase to the original purchaser. A extended blower warranty is available for purchase and extends the warranty to 7 years. LakeAir's liability is to be limited to repairing or replacing such products during the warranty period at its option, providing the product is sent prepaid to RK Ventures, Inc. or an Authorized Service Center and is deemed to be defective in part or portion to the satisfaction of RK Ventures, Inc.

This warranty is in lieu of any other warranty expressed or implied and of all other obligations or liabilities in connection with the sale of the described LakeAir Electronic Air Cleaner. In no case will any claim for consequential damages or labor expenses be allowed. This warranty does not apply to a LakeAir Electronic or any part thereof which has not been operated in accordance with the operating instructions herein contained; where components or other accessories not compatible with the LakeAir Electronic Air Cleaner have been used or attached to it; which has been subject to accident, unauthorized alteration, abuse, damage by flood, fire or acts of nature.

User's Responsibility:

1. To operate and maintain according to instructions.
2. Regularly replace filters and cleaning of the unit including electrostatic filters. Failure to replace filters or clean the unit will void the warranty.
3. Use product controls in accordance with owner manual and maintain them or warranty will be voided.
4. Provide adequate electrical service, within voltage ratings that are indicated on the unit rating plate. Provide electrical protection devices to protect unit from voltage surges. Failure to provide proper electrical service or safety devices will result in warranty being void.

Damage not covered by Warranty:

5. Damage occurring during transportation or resulting from improper handling is not covered by the warranty.
6. Damage due to accident, alteration or tampering is not covered by the warranty
7. Misapplication of the product or use for purposes other than cleaning ambient air will void all warranties.

Customer Service

It is very important that our customers receive good support for any issues related to our products. If you have questions or need support it can be found in many ways.

Email:

Email support can be obtained by sending an email to sales@lakeair.com. We try to answer all email support matters within 12 hours. If emails are sent during regular business hours 8:00 AM - 6:00 PM CST replies should be much sooner.

Phone:

Customer Service phone support can be reached at 800-558-9436. Phone support is normally available Monday - Saturday 8:00 AM - 6:00 PM CST.

Website Chat:

website chat support can be reached found on our website at the bottom right of any page. Chat support is normally available Monday - Saturday 8:00 AM - 6:00 PM CST and Sundays 12:00 noon to 6:00 PM CST.

Customer Text Support:

Customer Text Support can be reached at 862-319-1118. Textsupport is normally available Monday - Saturday 8:00 AM - 6:00 PM CST and Sundays 12:00 noon to 6:00 PM CST.

