



Source Capture System Air Purifier | Fume Extractor

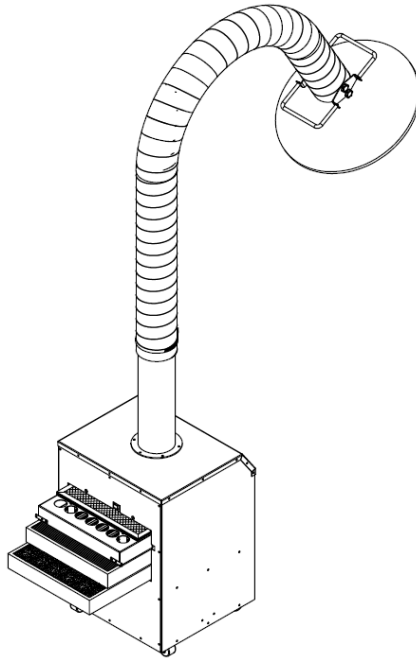
HA-SSC-G5 Owner's Manual

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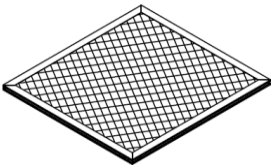
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Healthy Air Inc.
800-259-2535
www.HealthyAir.com

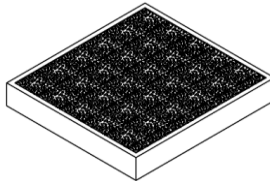
HealthyAir® Model HA-SSC-G5 Source Capture Air Purifier | Fume Extractor



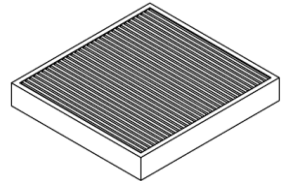
with
HealthyAir® Series 1213 Filters





HealthyAir®
Pre-Filter



HealthyAir®
Activated Carbon Filter



HealthyAir®
eHEPA® Filter

	 WARNING
	Unplug the power cord before servicing or replacing filters. Failure to do so could result in serious personal injury and death.

I. Important Safety Instructions

Read the Owner's Manual and Important Safety Instructions carefully. Failure to follow these instructions could cause a malfunction of the filter or unsatisfactory performance. Follow a regular service and maintenance schedule for efficient operation.

To reduce the risk of electric shock, fires, and/or injury:

- Do not use the air purifier in wet or damp locations
- Do not use outdoors
- Do not use at ambient temperature of above 95°F/35°C
- Do not use fabrics or other material to cover the inlet and outlet of the unit
- Do not allow children to operate or play with the unit

For safety reasons and to prevent electric shock, unplug the power cord from the electric outlet socket under the following conditions:

- When not in use for a long period of time
- When cleaning, servicing the machine or during replacement of filters
- When moving the air purifier

To prevent electric shock, do not dismantle, repair or modify this product.

Maintenance and cleaning instructions should be followed exactly as directed in this manual. In case of malfunction, please contact an authorized distributor or Healthy Air Inc. for service instructions.

To reduce the risk of electric shock, the equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.

To reduce the risk of electric shock, do not pull the cord to remove the plug from its outlets. Protect the cord against heat, oil and sharp objects. Do not run any appliance over the cord. Do not pull or carry by the cord, use cord as a handle, close a door on the cord, or pull cord around sharp edges or corners.

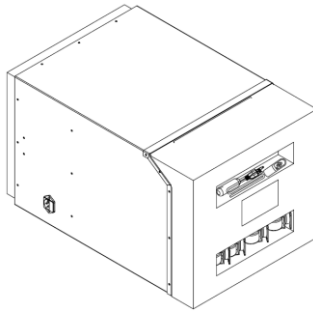
II. Technical Specifications

Model Number	HA-SSC-G5
Air Flow Rate	265 cfm
Flex Hose Length	5 ft.
Weight	48 lbs.
Base Dimensions	16x14.4x38 in
Power Consumption	280W
Rated Voltage	120V/60HZ
Amperage	2.75 A

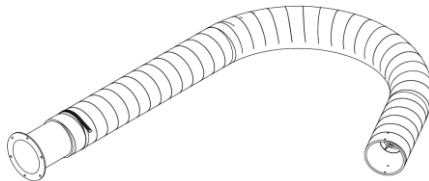
III. Packaging Reference

The Source Capture Air Purification System is shipped in three (3) cartons, as follows:

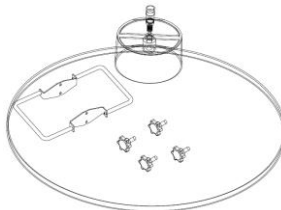
Carton 1: (1) Air Purification Unit w/ (3) Filters, (4) Wheel Casters, (1) Remote Control, (1) Power Cord, (1) Screwdriver, (1) Manual



Carton 2: (1) Inlet Tube, (1) Flex Hose, (1) Gooseneck, (1) Hose Clamp, (1) Centering Piece, (1) M16 Screw



Carton 3: (1) Hood, (4) Thumb Screws, (1) LED Bulb, (1) Handle

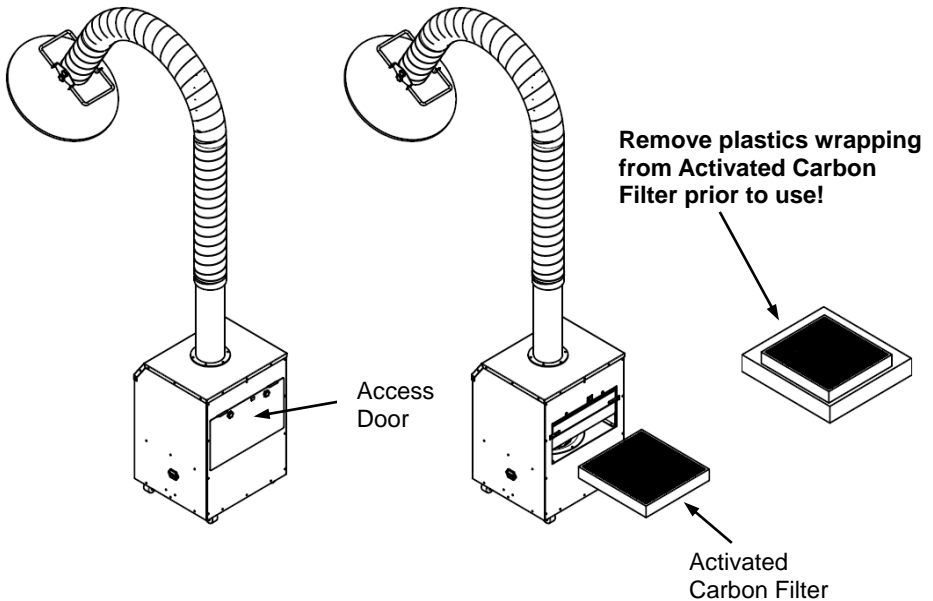


IV. Packaging Notice

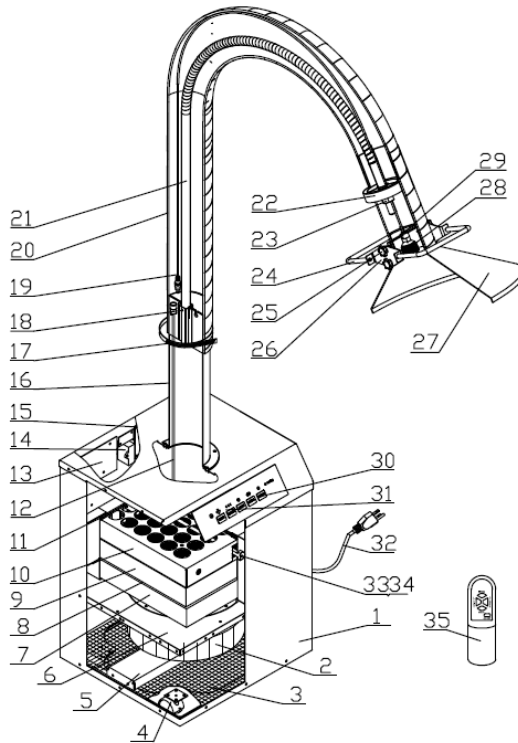


Before operating the machine, do the following:

- 1. Open the Access Door**
- 2. Remove the Activated Carbon Filter**
- 3. Remove the plastic wrapping from the filter!**
- 4. Re-install the Activated Carbon Filter**
- 5. Replace and secure the Access Door**



V. Component Reference



- | | | |
|-------------------------|---------------------|--------------------|
| 1. Outer Frame | 13. HV PCB | 25. Thumb Screws |
| 2. Blower/Motor | 14. Capacitor | 26. Metal Piece |
| 3. Base Plate | 15. PCB | 27. Hood |
| 4. Caster Wheels | 16. Inlet Tube | 28. LED Bulb |
| 5. Motor Mounting Plate | 17. Hose Clamp | 29. LED Mount |
| 6. Baffle Plate | 18. Insert Piece | 30. Display Panel |
| 7. Activated carbon | 19. LED Cable Plug | 31. Main PCB |
| 8. Ground Screen | 20. Flex Hose | 32. Power Cord |
| 9. eHEPA Filter | 21. Gooseneck | 33. Plastic Screw |
| 10. eGrid | 22. Centering Piece | 34. Spring |
| 11. Pre-Filter | 23. M16 Hex Nut | 35. Remote Control |
| 12. LED Cable Plug | 24. Handle | |

VI. Assembly Instructions

6.1 Install Wheel Casters

- 6.1.1 Place the unit on its side on a flat surface, as shown in Fig. 1.
- 6.1.2 Locate the four (4) Caster Wheels and the Screwdriver that are provided in Carton 1.
- 6.1.3 Unscrew and remove the screws that are pre-mounted onto the Base Plate on the bottom of the unit. There are four (4) screws per wheel, for a total of sixteen (16) screws.
- 6.1.4 Align the holes of the Caster Wheel Mount with the holes on the Base Plate, and use four (4) screws to securely mount each Caster Wheel to the Base Plate one by one.
- 6.1.5 After all four wheels are installed, stand the unit up and proceed to installing the hose assembly.

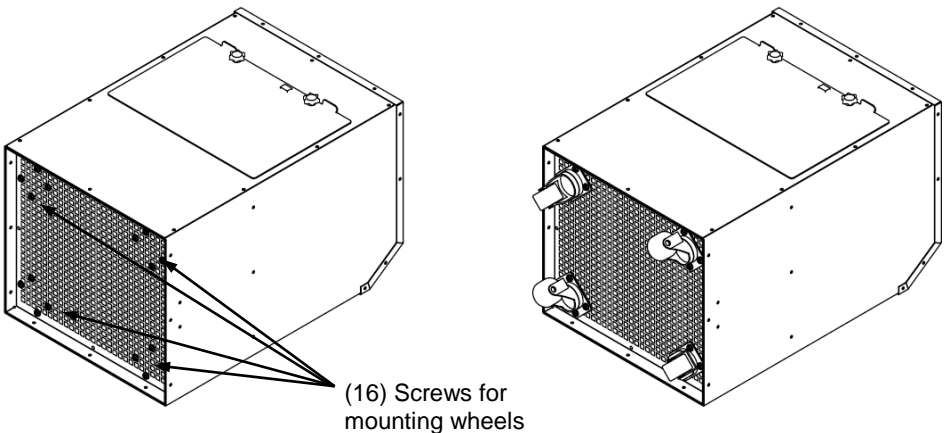


Fig. 1 – Caster Wheel Installation

VI. Assembly Instructions

6.2 Install Inlet Tube and Gooseneck

- 6.2.1 Unscrew and remove the six (6) M5x16 screws that are pre-mounted around the 4" Ø cutout on the top of the unit, as shown in Fig. 2.
- 6.2.2 Pull the LED Cable Plug out from within the 4" Ø cutout. With the Inlet Tube positioned slightly above the 4" Ø cutout, pass the LED Cable through the Inlet Tube, as shown in Fig.2-A.
- 6.2.3 Position the Inlet Tube on top of the unit, such that the tube aligns with the 4" Ø cutout and the hole pattern at the base of the Inlet Tube aligns with the hole pattern on the main unit. Then secure the Inlet Tube to the unit by screwing in the six (6) M5x16 screws.
- 6.2.4 Insert the split bottom of the Gooseneck into the slot in the center of the Inlet Tube and then slide the Insert Pin in to secure the Gooseneck, as shown in Fig. 2-B.
- 6.2.5 Mount the Centering Piece onto the other end of the Gooseneck and fix it in place by tightly screwing the M16 hex nut above it.

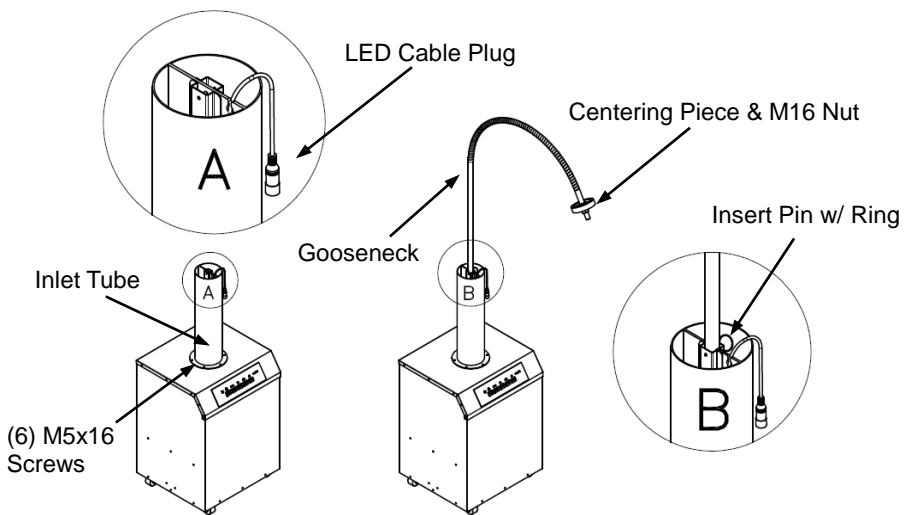


Fig. (2) – Inlet Tube & Gooseneck Installation

VI. Assembly Instructions

6.3 Install Hood and Flex Hose

- 6.3.1 Unscrew and remove the four (4) Thumb Screws from the Hood, as shown in Fig. 3-C.
- 6.3.2 Note that, there are two (2) holes on each side at the top of the Flex Hose. Position the Handle over the end of the Flex Hose, such that the holes on each side of the Handle mount align with the holes on each side of the Flex Hose.
- 6.3.3 Holding the Flex Hose and Handle vertically upright, insert the base of the Hood into the 4" Ø Flex Hose. Once the Hood is set into the Flex Hose, adjust the Hood until the the four (4) holes of the Hood, Flex Hose and Handle are all aligned.
- 6.3.4 Insert and screw in the four (4) Thumb Screws, one by one, to secure the Hood, Flex Hose and Handle assembly. Partially screw in each of the four Thumb Screws, to ensure proper alignment, before screwing each in all the way.
- 6.3.5 Pass the LED Cable through the entire length of the Flex Hose, as shown in Fig. 3.

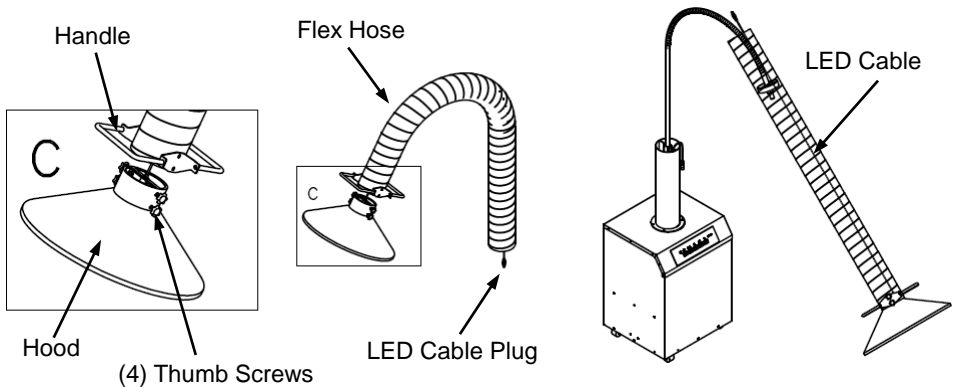


Fig. (3) – Hood and Flex Hose Installation

VI. Assembly Instructions

6.4 Install LED and Flex Hose

- 6.4.1 Slide the Flex Hose assembly over the Gooseneck until the bottom of the Flex Hose is positioned slightly above the top of the Inlet Tube, as shown in Fig. 4-D.
- 6.4.2 Connect the LED Cable by plugging together the male and female ends of the cable. The male end is attached to the 6' LED Cable that is connected to the LED Mount on the Hood, and the female end is attached to the LED Cable that extends from the main unit.
- 6.4.3 Once the LED Cable is connected, slide the end of the Flex Hose over the top of the Inlet Tube, such that there is a 3" overlap.
- 6.4.4 Secure the Flex Hose to the Inlet Tube by tightening the Hose Clamp that is provided.
- 6.4.5 Install the LED by fitting the LED Bulb into the LED Mount located within the Hood, as shown on Fig. 4.

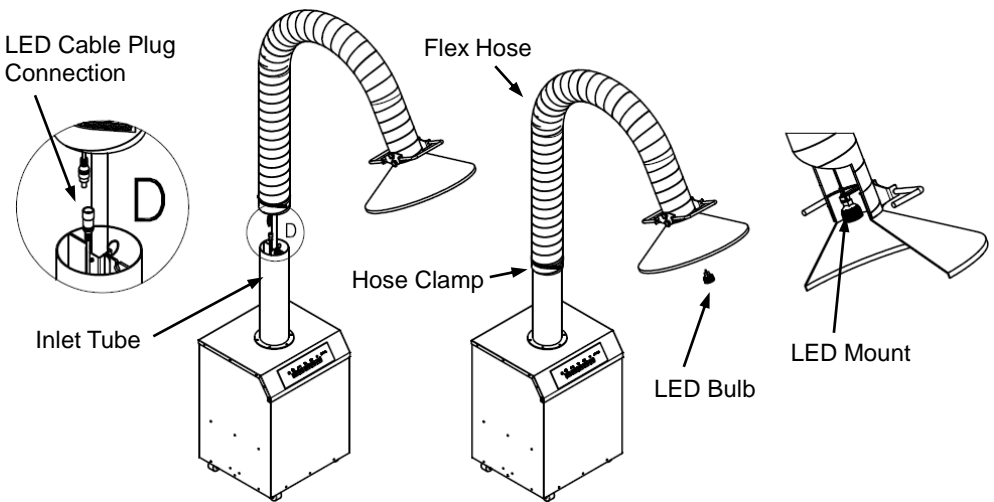


Fig. (4) – LED and Flex Hose Installation

VI. Assembly Instructions

6.5 Unwrap and Reinstall Activated Carbon Filter

- 6.5.1 Open and remove the Access Door, located on the Back Panel of the unit, by unscrewing the two (2) Thumb Screws. Note that, when opening the Access Door for the first time, some force may be required to pry open and break the seal between the Access Door and the unit.
- 6.5.2 Remove the Activated Carbon Filter (HA-AC-1213) from the unit by sliding it out from its track.
- 6.5.3 Remove the plastic wrapping from the Activated Carbon Filter.
- 6.5.4 Place the Activated Carbon Filter back into the unit, making sure that the filter is reinserted with the side with the white pull tabs facing out.
- 6.5.5 Replace the Access Door, ensuring that the panel is properly inserted into its track, and screw in the two (2) Thumb Screws to secure the panel.

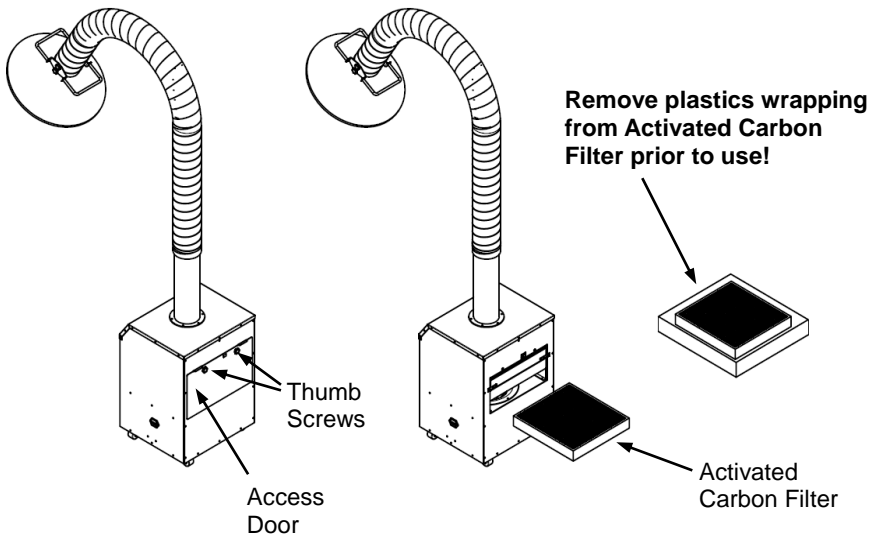


Fig. (5) – Unwrapping and Reinstallation of Activated Carbon Filter


VII. Operation Guidelines

7.1 Source Capture System Positioning

Place the HealthyAir® Source Capture Air Purification System in the desired location and adjust the Flex Hose to position the Hood approximately 6" from the source of the fumes.

7.2 Source Capture System Activation

7.2.1 Plug the Power Cord into the Power Socket, located on the bottom of the side panel of the unit, and then plug the other end of the cord into a wall power socket.

Once plugged in, the Power indicator light [] will turn on and display a red light.

7.2.2 Activate the unit by pressing the Power button located on the Control Panel, shown in Fig. 6, or on the Remote Control.

Once the unit is powered, the motor will start with the Fan Speed set to the Mid-Speed and the eHEPA® indicator will light up and display a green light, which indicates that the eHEPA® system is activate.

7.3 Source Capture System Controls

Each of the respective control elements shown on the Control Panel Display in Fig. 6 work as follows:

- **SPEED** button on the Control Panel or Remote Control adjusts the volume of airflow being taken in through the hood. Airflow speed can be adjusted to one of three settings: Low – Mid – High Speed.
- **eHEPA** button turns the eGrid on and off. When the eGrid is powered the symbol above the eHEPA button, as well as the eGrid Active light, will turn green. Pressing the eHEPA button once more will shut off the eGrid and turn off the indicator light.

VII. Operation Guidelines

7.3 Source Capture System Controls

- **TIMER** button is for operation of the timing clock. When this feature is in use the unit will automatically shut off after the set time expires. The system's default timing is 4 hours of operation.

To set the timer manually, press the TIMER button once for every hour you wish to run the machine (i.e. press TIMER once for 1-hour of run time, press TIMER twice for 2-hours of run time, press TIMER three times for 3-hours of run time, and press TIMER four times for 4-hours of run time).

If the TIMER button is pressed five (5) times, such that it passes through the complete timing schedule, it will run continuously until the unit is manually turned off.

- **LIGHT** button turns the Hood LED Light on and off. When the LED Light is on the symbol above the button turns green. Pressing the LIGHT button once more will turn off the LED Light as well as the indicator light.
- **eGrid Active** indicator light indicates the status of the eHEPA® and eGrid system. When the eGrid Active indicator light is green, while the eHEPA button is on, the eGrid is functioning properly. If the eGrid Active indicator light is off, while the eHEPA button is on, it signals that the eGrid is malfunctioning and the unit requires service.



Fig. (6) - Control Panel Display

VIII. Filter Replacement

8.1 Replacement Filters

The HealthyAir® Source Capture System Model HA-SSC-G5 utilizes the HealthyAir® Series 1213 Replacement Filters, as follows:

- **HealthyAir® Pre-Filter**
- **HealthyAir® eHEPA® Filter**
- **HealthyAir® Activated Carbon Filter**

Note that, only manufacturer supplied HealthyAir® Replacement Filters are compatible with HealthyAir® Source Capture Systems. No other replacement filters are to be used with this unit. The improper use of non-manufacturer supplied filters will void any potential warranty claim.

8.2 Filter Change

When the unit has been in operation for 150-hours, the Filter Change indicator light, above the eHEPA button on the Control Panel, will begin to flash indicating that the filters must be replaced as follows:

Note: Depending on the usage and contaminates in the environment, the filters may need to be replaced before the 150-hour default replacement cycle expires. Contact a service representative to determine if you need to replace the filters more frequently.

- 8.2.1 Turn the Power Off and unplug the Power Cord from the Power Socket.
- 8.2.2 Remove the Access Door by unscrewing the two (2) Thumb Screws, as previously shown in shown in Fig. 5.
- 8.2.3 Remove the Pre-Filter, eHEPA® Filter, and Activated Carbon Filter.

VIII. Filter Replacement

8.2 Filter Change

- 8.2.4 Install a new set of HealthyAir® Series 1213 Replacement Filters, consisting of the Pre-Filter, eHEPA® Filter and Activated Carbon Filter.
- 8.2.5 Reinstall the Access Door, ensuring that the Access Door is properly inserted back into its track. Once the Access Door is properly aligned and set in place, secure it by screwing in the Thumb Screws.
- 8.2.6 Plug the Power Cord back into the Power Socket and wall socket.

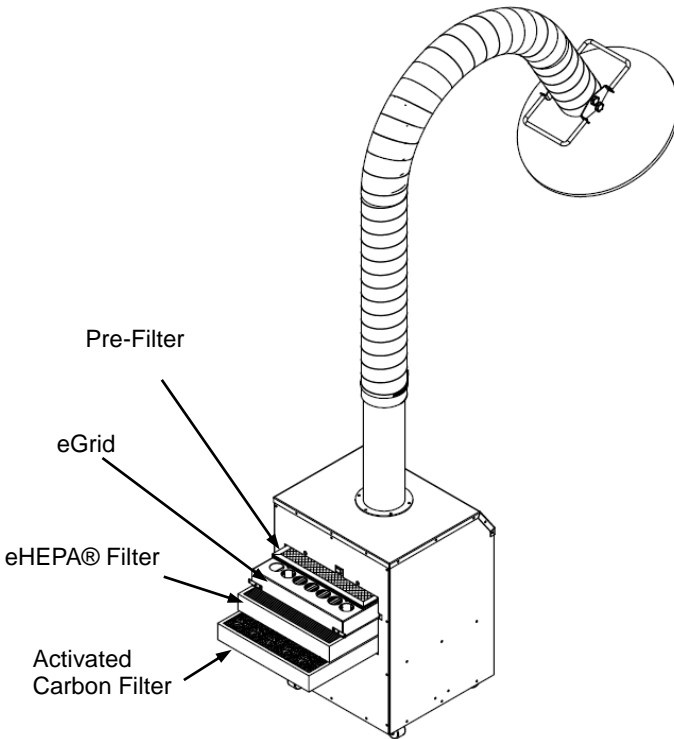



Fig. (10) Filter Change

VIII. Filter Replacement

8.3 Filter Change Indicator Light Reset

Once the filters have been replaced and the unit is powered on, the Filter Change indicator light may continue to flash. To reset the filter change timer and deactivate the flashing light, go through the following reset procedure:

- 8.3.1 Unplug the Power Cord from the Power Socket, wait a couple seconds and plug the Power Cord back into the Power Socket.
- 8.3.2 Press and hold down the Power Button [] on the Control Panel (not the Remote Control) for five (5) seconds.
- 8.3.3 After five (5) seconds has passed, release the Power Button. The filter change timer will have reset to 150-hours and the Filter Change indicator light will have stopped flashing now.

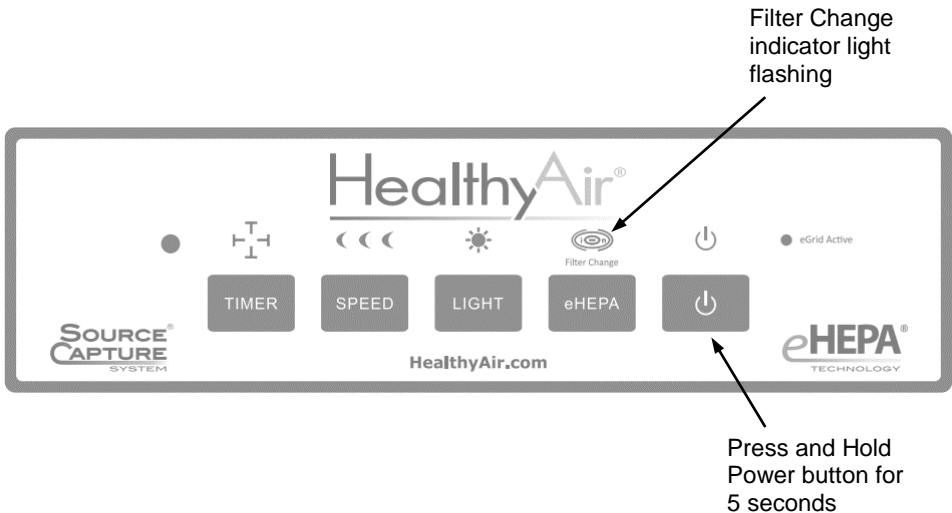


Fig. (11) Filter Change Indicator Light Reset

IX. Maintenance

9.1 Cleaning the Pre-Filter and eHEPA® Filter

To extend the effective life of the Pre-Filter and eHEPA® Filter, remove the filters from the unit from time-to-time and clean them with a standard vacuum.

9.2 Cleaning Filter Compartment

Visually inspect the interior of the Filter Compartment when the filters are removed from the unit during the filter replacement process. If debris has accumulated in the Filter Compartment, clean the interior of the unit as follows:

- 9.2.1 Turn the Power Off, unplug the Power Cord from the Power Socket, remove the Access Door, and remove the filters from the unit.
- 9.2.2 **The HV Contact Spring will likely contain a small charge and should not be directly touched!** Using an electrically insulated instrument, such as the Screwdriver provided, make contact with the HV Contact Spring and the interior metal wall of the unit. This will discharge the HV contact spring.
- 9.2.3 Vacuum and remove any debris that has accumulated in the filter compartment and adjacent accessible areas of the interior of the unit.
- 9.2.4 Properly replace the Access Door, as previously described herein.

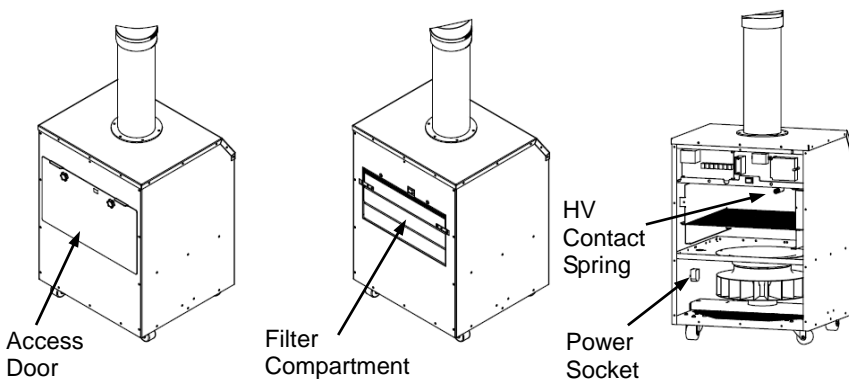


Fig. (12) – Cleaning Filter Compartment

X. Basic Service and Troubleshooting

The Basic Service Guide should cover most performance issues. If you continue to experience issues after referring to this list, please contact Healthy Air Inc.

10.1 Air Purification System Inoperable

If the unit fails to power on, the issue may be the result of one of the following causes. In some cases, the unit will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Blown Fuse	Replace the Fuse
Safety Switch not engaged	Properly close the Access Door
Safety Switch malfunction	Replace the Safety Switch
HV Board malfunction	Replace the HV Board
PCB Board delay function	Unplug and re-plug Power Cord

10.2 Air Purification System Power On but Inoperable

If the unit powers on but fails to operate properly, the issue may be the result of a faulty electrical board and will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
PCB Board malfunction	Reconnect/Replace PCB Board

X. Basic Service and Troubleshooting

10.3 Air Purification System Power On but Fan Inoperable

If the unit powers on but the fan fails to operate, the issue may be the result of a faulty motor and will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Fan/Motor malfunction	Replace the Fan/Motor
PCB Board malfunction	Replace the PCB Board

10.4 Fan Speed Cycle Error

If the unit does not properly cycle through all three (3) fan speed settings, or the unit shuts off when cycling through the fan speed settings, the issue may be the result of one of the following causes.

Contact the manufacturer for the Control Panel reset instructions. If that does not resolve the issue, the unit will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Control Panel program error	Control Panel reset procedure
Display Board malfunction	Replace Display Board

X. Basic Service and Troubleshooting

10.5 eGrid Activity Indicator Light Not Lit

If the eGrid Activity indicator light fails to turn on when the eHEPA® system is on, the issue may be the result of one of the following causes and will require service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
eGrid malfunction	Remove and clean the eGrid
Faulty HV contact	Remove and reinstall the eGrid
HV Board malfunction	Replace the HV Board

10.6 Irregular Sound from eGrid

If an irregular crackling sound is detected from the unit, the issue may be the result of one of the following causes and will require service by the manufacturer or a professionally licensed electrician. Never tamper with eGrid while the unit is plugged into an electrical outlet.

Possible Cause	Solution
Accumulation of debris	Remove and clean the eGrid
Accumulation of moisture	Remove and dry the eGrid
Pre-Filter missing	Install Pre-Filter

X. Basic Service and Troubleshooting

10.7 Flex Hose Fails to Remain in Position

If the Flex Hose assembly fails to remain in position, the issue may be the result of one of the following causes and may require replacement parts.

Possible Cause	Solution
Gooseneck out of place	Mount Gooseneck in Inlet Tube
Gooseneck broken	Replace Gooseneck
Loose Flex Hose connection	Tighten Hose Clamp

10.8 Flex Hose Unravels

If the Flex Hose is lengthened or expanded past its tolerance point, the hose may come apart and unravel. The issue may be the result of one of the following causes and may require replacement parts.

Possible Cause	Solution
Expanded past tolerance	Reconnect or replace Flex Hose
Lengthened past tolerance	Reconnect or replace Flex Hose
Flex Hose faulty	Replace Flex Hose

X. Basic Service and Troubleshooting

10.9 LED Fails to Light

If the LED fails to light up, the issue may be the result of one of the following causes and may require replacement parts.

Possible Cause	Solution
LED Cable is not connected	Reconnect LED Cable
LED Mount is faulty	Replace Hood
LED Bulb is burnt out	Replace LED Bulb

10.10 Remote Control Inoperable

If the Remote Control fails to operate the unit, the issue may be the result of one of the following causes and may require replacement parts or service by the manufacturer or a professionally licensed electrician.

Possible Cause	Solution
Battery nearly exhausted	Replace batteries
Remote Control faulty	Replace Remote Control
Display Board fault	Replace Display Board

X. Basic Service and Troubleshooting

10.11 Reduced Airflow and/or Odor Absorption

If the fan/motor is properly functioning, but the unit exhibits reduced airflow and/or reduced odor absorption the issue may be the result of one of the following causes and may require replacement filters.

Possible Cause	Solution
Pre-Filter is fully loaded	Clean or Replace Pre-Filter
eHEPA® Filter is fully loaded	Clean or Replace eHEPA® Filter
Activated Carbon Filter saturated	Replace Activated Carbon Filter

10.12 Filter Change Indicator Light Flashing

If the unit is properly functioning and the Filter Change indicator light is flashing, the default filter change timer has expired and the filters should be replaced.

Possible Cause	Solution
Filter change cycle timer expired	Replace filters and reset timer

XI. Electrical Wiring Schematic

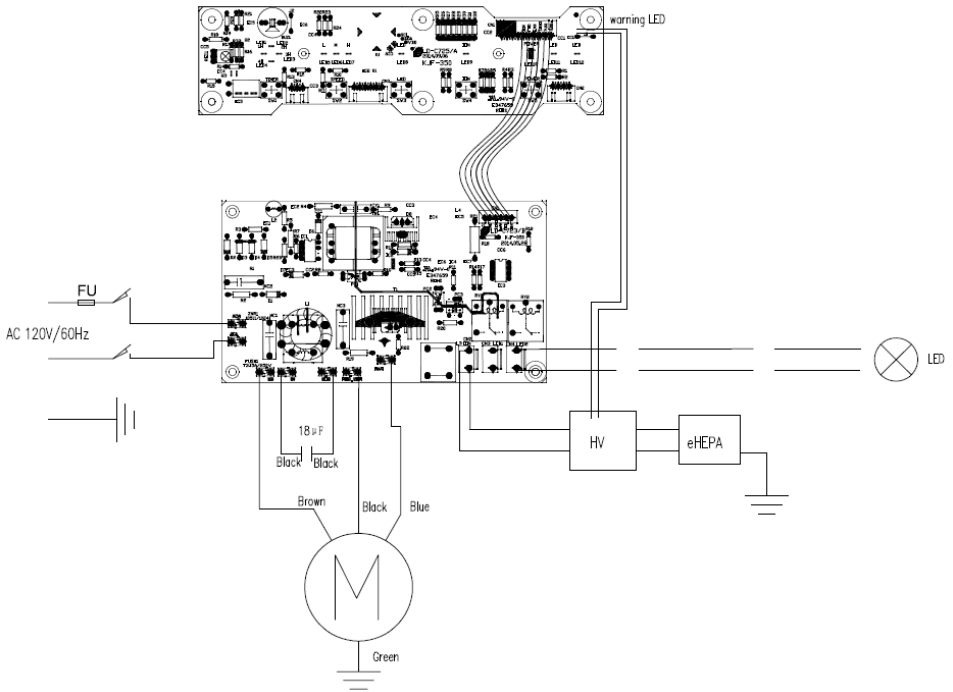


Fig. (13) – Electrical Wiring Schematic

Healthy Air Inc. 1-Year Limited Warranty

Healthy Air Inc. only makes this 1-Year Limited Warranty ("Limited Warranty") to the original retail purchaser who submits the enclosed Warranty Registration Card within 15 days of purchase by email to Orders@HealthyAir.com.

This Limited Warranty applies only to the repair or replacement of any manufactured or supplied part of this product which, upon inspection by Healthy Air Inc. authorized personnel, proves to have failed in normal use due to defects in material or workmanship.

The sole responsibility of Healthy Air Inc. under this Limited Warranty is, in its sole discretion, to either repair or replace a duly registered product (or defective part thereof) with the same or a comparable model within a reasonable period of time, subject to the following exclusions, limitations, statutory rights and warranty claim procedures.

This Limited Warranty is exclusive, and Healthy Air Inc. expressly disclaims all other or additional warranties, whether written or oral, expressed or implied, including, but not limited to, warranties of merchantability, workmanship, or fitness for a particulate purpose.

Retain proof of purchase and the original box and packing materials.

Exclusions to the Warranty

This Limited Warranty does not apply, or is void, as to any product or part damaged by (1) accident, misuse, abuse, or lack of reasonable care or normal maintenance; (2) installation or operation under conditions other than those recommended by Healthy Air Inc.; (3) subjecting the product to any but the specified voltage; (4) servicing or disassembly by unauthorized personnel; (5) removing or defacing the serial number; or (6) modifying the original factory-assembled unit in any way.

This Limited Warranty does not apply to shipping charges for product shipped to or from the manufacturer or designated distributor in connection with warranty claims nor does it apply to any damages that occur during such shipment.

This Limited Warranty does not apply to installation, removal, reinstallation, and/or related expenses. This Limited Warranty does not apply to replacement filters.

Healthy Air Inc.

1-Year Limited Warranty

Product Registration Form

Please complete the Product Registration Form and submit it to Healthy Air Inc. within (15) days of the original purchase, to validate 1-Year Limited Warranty.

Submit the completed form via email by sending a scanned image or photograph to Orders@HealthyAir.com.

Note that, the Model Number and Serial Number are written on the sticker located at the bottom of the side panel of the unit.

Please contact us at (800) 259-2535 or visit www.HealthyAir.com for Customer Service and Orders.

Name:	
Business Name:	
Street Address:	
City, State, Zip:	
Phone Number:	
Email Address:	
Date of Purchase:	
Purchased From:	
Model Number:	
Serial Number:	