



model AC550

**WHOLE ROOM AIR PURIFIER
OWNER'S GUIDE**

vornado.com

we expect
this product
to be **PERFECT**

if it's not
WE will make
it right.

vornado.com
800.234.0604
help@vornado.com

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READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

This owner's guide and any additional inserts are considered part of the product. They contain important information about safety, use and disposal. Before using the product, please familiarize yourself with all operating and safety instructions. Please keep all documents for future reference and pass these documents on, together with the product, to any future owner. See our website to view, download and print the most current version of this owner's guide.

INTENDED USE: This product is intended to purify the air in indoor living spaces only in the United States and Canada. This product is not intended for commercial or industrial use. The manufacturer assumes no responsibility for damage or injury due to unauthorized use or product modification. Failure to follow these directions will void the product warranty.

WARNING: Risk to Children and Impaired Persons

- Supervision is required during the installation, operation, cleaning and maintenance of this product by children under age 12 and anyone with reduced physical, sensory or mental capabilities. Children should be supervised to ensure that they do not play with the appliance, its parts and packaging material.

INSTALLATION WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- Place this product away from curtains, draperies, tablecloths and other fabrics, since they may be drawn into the product, damage the motor and/or cause a fire.
- No part of this product (the appliance, power cord, plug, packaging, etc.) should be placed near furnaces, fireplaces, stoves or other high

temperature heat sources. Do not use this product in a window, on an uneven or unstable surface, or near water.

- The appliance, power supply, power cord and plug cannot come into contact with water. Do not use this product on wet surfaces. Do not use this product in a bathtub or shower or position product where it may fall into a bathtub, laundry, swimming pool or other water container. Do not use this product outdoors or expose it to weather or elements.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over. The cord should not hang over edges of counters or be placed where it can be crimped or closed in doors. Place appliance near an easily accessible outlet so the product can be unplugged quickly during an emergency.

SAFE USE WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- **WARNING:** To reduce likelihood of circuit overload, fire and electric shock, do not operate with a solid state speed device, such as a dimmer control switch.
- Do not operate unit if the unit has been dropped or damaged. Do not use this product if it has a damaged power cord or plug. To avoid risk of electrical shock, do not attempt to repair or replace parts. Only original replacement parts may be used. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard. Contact Vornado Consumer Service at 1-800-234-0604 (phone) or consumerservice@vornado.com (email) for further instructions about replacement and repair.
- Risk of fire. Your appliance may be equipped with a detachable power supply or a cord/plug with a safety device such as a fuse. Use only the power cord and plug provided.

- Before plugging power cord into electrical outlet, be sure that all electrical information on the rating label, including voltage, is compatible with your outlet's power supply.
- Never use the cord as a handle or otherwise yank, strain or stretch the power cord.
- While the product is plugged in, do not insert or allow foreign objects to enter any input or output opening as this may cause risk of electric shock or fire, or damage the product.
- A loose fit between wall outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product in this outlet. Contact a qualified electrician to replace loose or worn outlets.
- This appliance has a polarized plug (one blade is wider than the other.) To reduce the risk of electrical shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
- Before moving, repositioning, servicing, cleaning and when not in use, use the product controls to turn off the power and then unplug. To disconnect from outlet, grasp and pull only the plug. Also, power off and unplug if the product will be left unattended for an extended period of time or during electrical storms.

SERVICING WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- Clean your product regularly, only as is instructed in this manual. Prior to cleaning, turn off the power on your product and unplug. Do not use gasoline, thinners, solvents, ammonias or other chemicals for cleaning. Refer to the CLEANING instructions provided.
- Do not open appliance housing while product is plugged in. To avoid risk of shock, all service and/or repairs must be done by a Vornado Authorized Service Center.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: this device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Contact Vornado Consumer Service or dealer or an experienced radio/TV technician for help.

DISPOSAL WARNING

To reduce waste and environmental harm, observe the following:



PACKAGE RECYCLING: The packaging protects the appliance from transport damage. The packaging materials are selected from the point of view of their environmental friendliness and disposal technology and are therefore recyclable. Dispose of all packaging materials in an environmentally responsible manner.

PRODUCT INFORMATION

1 FRONT PANEL

2 PLASTIC SUPPORT FILTER FRAMES

The frame secures both carbon and HEPA filters in place.

3 2 CARBON FILTERS

Captures larger initial particles and odors passing through the unit.

4 2 HEPA FILTERS

Captures 99.97% of particles 0.3 microns or larger passing through the unit, allowing only filtered air back into the environment.

5 CONTROL PANEL

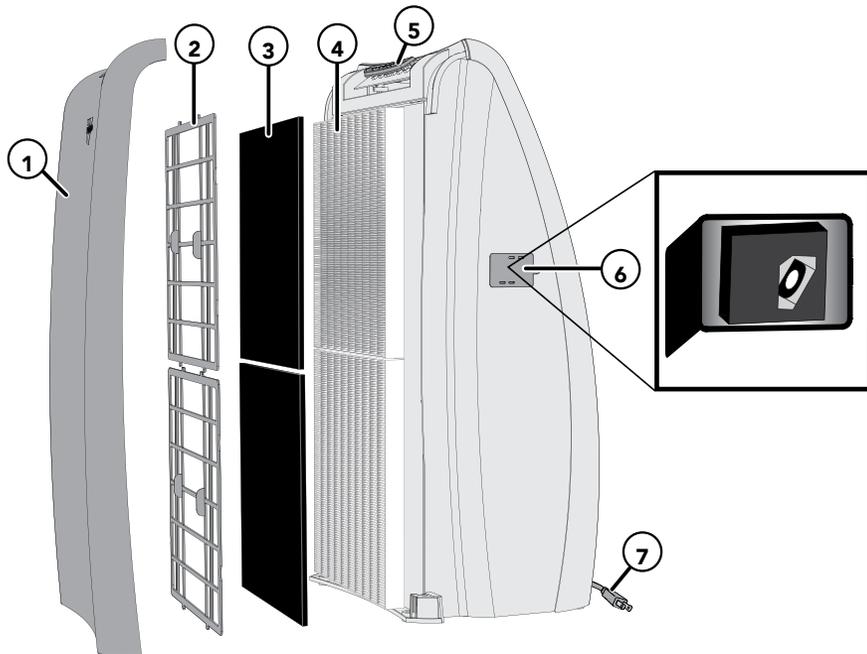
LED display and touch button controls for easy and intuitive operation.

6 DUST SENSOR AND ACCESS DOOR

The Dust Sensor continuously monitors the amount of particulates in the air.

7 POWER CORD

Convenient 6 ft. cord.



TRUE HEPA FILTRATION



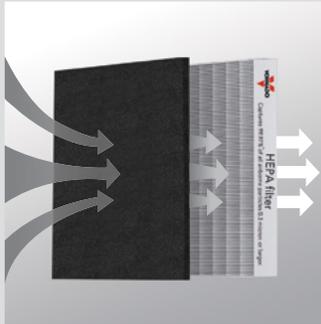
VORNADO WHOLE ROOM AIR PURIFIERS FEATURE PRECISION TRUE HEPA CALIBRATION

Without properly calibrated airflow, products with a True HEPA Filter will not achieve their full filtration potential. Gaps, poorly sealed filter housings, and excessive air velocity all reduce the effectiveness of the product. Independent

testing laboratory verifies that the precise calibration of a Vornado Air Purifier allows it to perform at True HEPA standards.

2 STAGE FILTRATION

Carbon filtration captures odors and prolongs HEPA filter life. HEPA filtration captures 99.97% of particles 0.3 microns or larger, to effectively clean large volumes of air.



AUTOMATIC FILTER REFILL PROGRAM

A convenient and hassle-free way to receive regular shipments of Vornado Filters, direct to your door. Eliminate the hassle of remembering to reorder. Maintain the high efficiency of your Vornado Purifier by regularly replacing used Filters with fresh new ones. How it works: You select a plan and Vornado will send replacement Filters at the recommended maintenance interval. To sign up, visit vornado.com, email consumerservice@vornado.com or call 1-800-234-0604. Cancel at anytime.

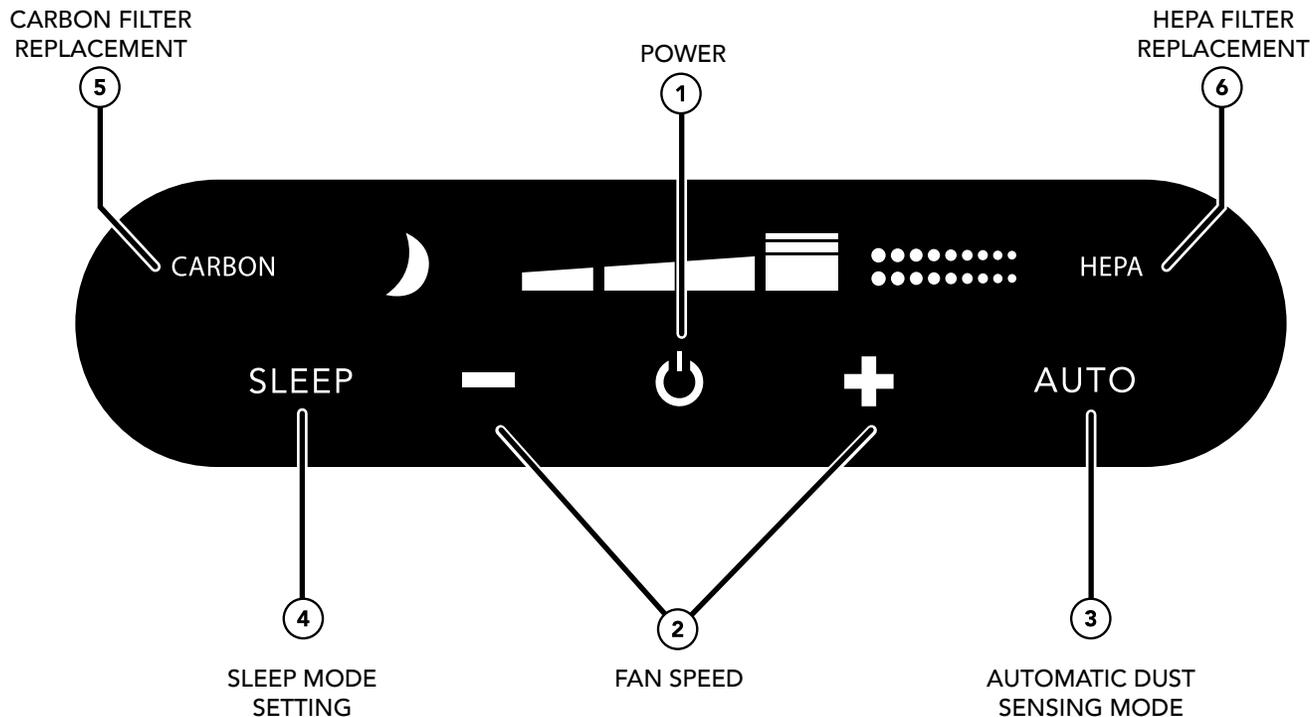


Part # **MD1-0023**



Part # **MD1-0022**

CONTROL PANEL



HOW TO USE

- 1 POWER**, Function ON and OFF by pressing the Power button.
- 2 FAN SPEED**, 4 fan speed settings. Adjust between Low, Medium, High and Quick Clean.
- 3 AUTOMATIC DUST SENSING MODE**, Advanced technology that reads the amount of particles in the air and adjusts the fan speed accordingly. Refer to HOW TO USE to learn more about this feature.
- 4 SLEEP MODE SETTING**, Senses no light or low light conditions, and automatically adjusts the unit to low speed. Refer to HOW TO USE to learn more about this feature.
- 5 CARBON FILTER REPLACEMENT**, Equipped with CARBON filter indicator light to show when it is recommended to change the carbon filters.
- 6 HEPA FILTER REPLACEMENT**, Equipped with HEPA filter indicator light to show when it is recommended to change the HEPA filters.

AUTOMATIC LIGHT DIMMING

After a short period of time, the control panel illumination will dim to not interfere with ambient environment lighting. Particularly ideal for darker rooms. Pressing any button will re-illuminate the control panel.

FAN SPEED

Choose one of the 4 fan speed settings, press the "+" button to adjust to a higher speed or press the "-" button to adjust to a lower speed. The LED display will indicate the selected speed.

Note: Dust and allergens are most airborne when persons and pets are active in the room. For best results, set the unit on a higher speed setting during these times for high demand cleaning and circulation. Set the unit to a lower setting for quieter operation when activity is reduced.

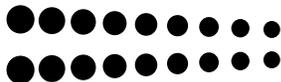
QUICK CLEAN SPEED



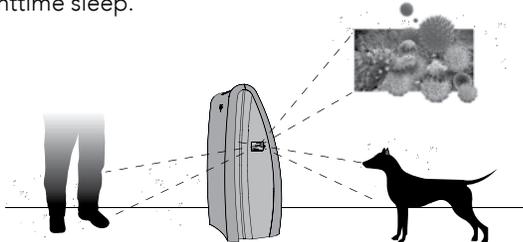
A high-speed filtration setting can be used to rapidly filter the air when airborne particle levels are high. Press the (+) on the fan speed control until the Quick Clean icon (highlighted above) is displayed. You will immediately notice a dramatic increase in airflow that will allow the unit to provide maximum air filtration. Due to increased sound levels, use of this mode is recommended only as conditions require. Low, Medium and High speed settings are designed for day-to-day use.

HOW TO USE

AUTOMATIC DUST SENSING MODE



This feature monitors the air quality of the room to detect the presence of particles, then adjusts the fan speed to improve air quality to optimum conditions. Press the Automatic Dust Sensing Mode Button to engage this feature. The screen will display the animated Automatic Dust Sensing icon (shown above), to indicate when this feature is active. The Dust Sensor will continuously monitor the amount of airborne particles in the environment and adjust the fan speed between Low, Medium and High as needed to maintain optimum air quality. The Quick Clean speed is not utilized when Automatic Dust Sensing Mode is enabled. Please note that Automatic Dust Sensing Mode is overridden when Sleep Mode is engaged to ensure the unit is providing a consistent, low noise level during nighttime sleep.



WHEN TO USE:

This feature allows the unit to reduce energy usage when fewer airborne contaminants are present in the room. Because active people and pets tend to stir up airborne particles, the unit will tend to increase speed during peak periods of activity in the room until lower readings are obtained. This feature is ideal for rooms where activity fluctuates greatly based on the time of day.

Note: The Dust Sensor will need to be cleaned periodically. Please refer to CLEANING AND MAINTENANCE.

SLEEP MODE SETTING



This feature senses no light or low light conditions, and automatically adjusts the unit to low speed. Press the Sleep Mode button to engage this feature. The Sleep Mode icon (shown above) will display. Ideal for use in bedrooms. Higher and more powerful speeds may be used throughout the day with lower speeds and minimal noise being preferable at night.

Note: When in low light or no light, with sleep mode selected, the unit will only operate at low speed. This will override Automatic Dust Sensing Mode and high-speed settings. In regular light, the unit will operate at the previous setting.

USER TIPS

CARBON FILTER REPLACEMENT

Equipped with CARBON filter indicator light to show when it is recommended to change the carbon filters. Please refer to FILTER REPLACEMENT for instructions. This feature is controlled by time of use. The light will illuminate after 4,000 hours of run time has accumulated.

HEPA FILTER REPLACEMENT

Equipped with HEPA filter indicator light to show when it is recommended to change the HEPA filters. Please refer to FILTER REPLACEMENT for instructions. This feature is controlled by time of use. The light will illuminate after 9,000 hours of run time has accumulated.

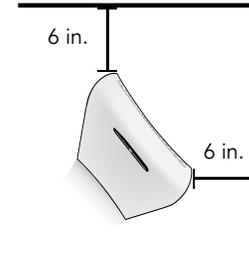


Note: User environments will differ. The filter replacement time is based on average use situations, if you are using the air cleaner in a more demanding environment, you may need to change your filter more frequently. In less polluted environments the filter life may extend beyond the notification.

1. Keep retail carton to store unit when not in use.
2. Use the hand holds on either side of the unit for easy carrying.



3. For best results, position the front of the unit (side with logo) towards the center of the room, leaving at least a 6 inch distance away from walls or furniture on every side.



Note: For optimum airflow, air outlet should be unobstructed. Ensure curtains and other items are far enough away from the unit to not be pulled into the side inlets or interfere with airflow.

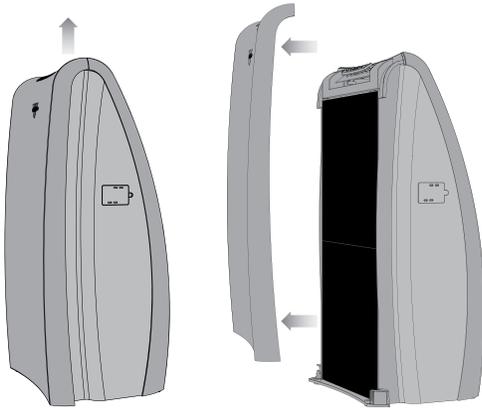
FILTER REPLACEMENT

GENUINE VORNADO FILTERS ARE RECOMMENDED

Peak performance is only realized when genuine Vornado Carbon and HEPA filters are used. Others may claim to be compatible with Vornado units, but the Vornado Air Purifier is calibrated to achieve a 99.97% capture rate of particles 0.3 microns or larger, only when used with Vornado Filters.

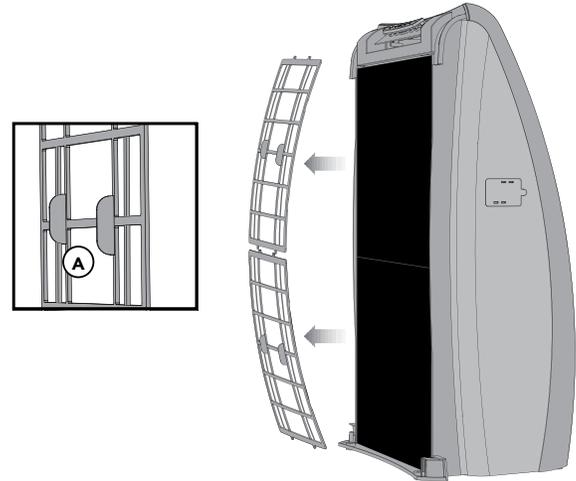
HOW TO REPLACE YOUR FILTERS

1. Unplug unit.
2. Remove Front Panel by lifting up and away from unit.



Note: The Front Panel is held in place by magnets, you will need to lift the Front Panel hard enough to overcome the resistance of the magnets.

3. Remove the Plastic Support Filter Frame by pulling on the center tabs (A). You may need to flex the Plastic Support Filter Frame slightly to release the tabs at the top and bottom.



4. Remove and discard the Filters you wish to replace. To remove the Carbon Filter, take hold of the Filter at any place along the perimeter and remove. Repeat on the second Filter. To remove the HEPA Filter, after the Carbon Filters have been removed, take hold of the tab (Figure 1) and pull to release. Repeat on the second Filter. Replace with genuine Vornado Filters. Place the Filters in the unit and gently press around the perimeter of the Filter to ensure secure placement (Figure 2).

Note: The HEPA Filters must be placed in the unit before the Carbon Filters. See Product Information for a detailed illustration.

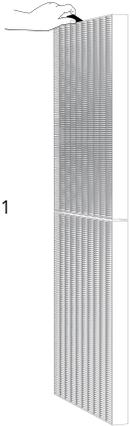


Fig. 1

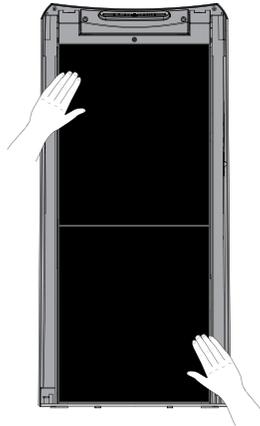
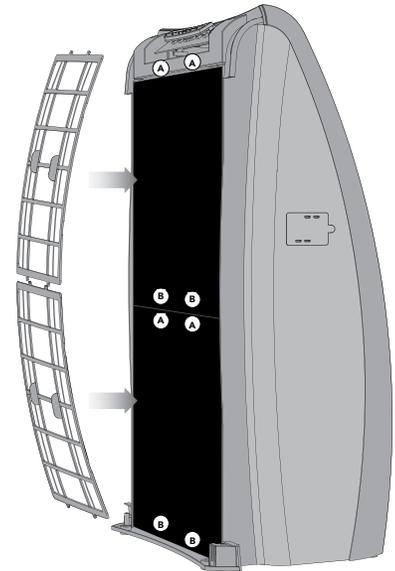
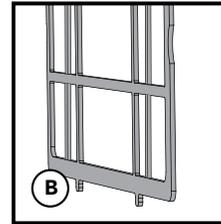
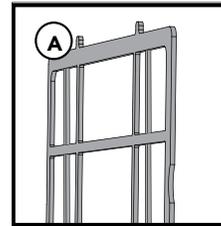


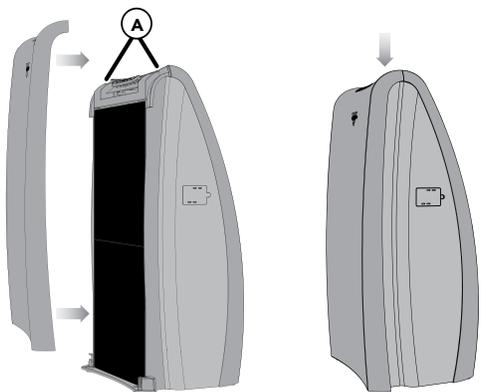
Fig. 2

5. Replace the Plastic Support Filter Frame by securing the bottom 2 tabs into bottom slots (B). Slightly flex the Plastic Support Filter Frame to secure the top 2 tabs into the top slots (A).



FILTER REPLACEMENT

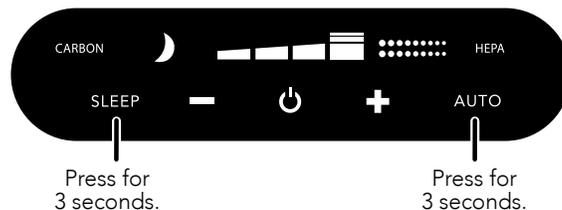
- Replace Front Panel by positioning the Panel slightly above the unit and aligning the tabs of the Front Panel with the holes in the unit (A). Gently press the Front Panel down, sliding into the tab slots and allowing the magnets to securely lock the Front Panel in place.



SAFETY SHUT-OFF FEATURE

For your protection, the unit is designed to operate only if the Front Panel is in place. Do not attempt to override this safety feature. If, after the Front Panel has been reinstalled, the unit does not operate, remove and reinstall the Front Panel to assure proper placement.

- To reset the CARBON filter notification - press and hold the SLEEP button for 3 seconds. To reset the HEPA filter notification, press and hold the AUTO button for 3 seconds. The light will turn off confirming the indicator is reset.



Note: Do not operate the Air Purifier without Vornado Carbon and Vornado HEPA Filters in place.

STORAGE

Follow the steps listed below when you are ready to store your unit.

- Unplug power cord and bundle loosely.
- Lift unit with both hands, using hand holds. (Refer to USER TIPS)
- Cover, or place back in retail carton if available. This will prevent the unit from accumulating dust overtime.
- Store unit in a cool and dry location.

CLEANING AND MAINTENANCE

HOW TO CLEAN

Because large volumes of air pass through your Vornado Air Purifier each day, it will need regular cleaning.

1. Unplug the unit before cleaning.

Note: Do not use gasoline, thinners, solvents or other chemicals for cleaning.

2. Wipe down with a soft, damp cloth. (Figure 1)

3. Dust or vacuum the interior and along the sides. It is recommended to clean the interior when the Filters are changed. (Figure 2)

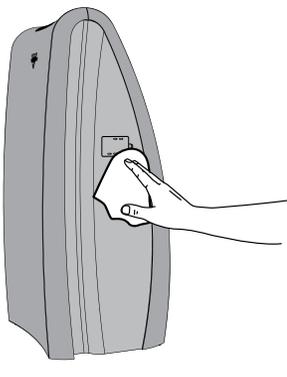


Fig. 1

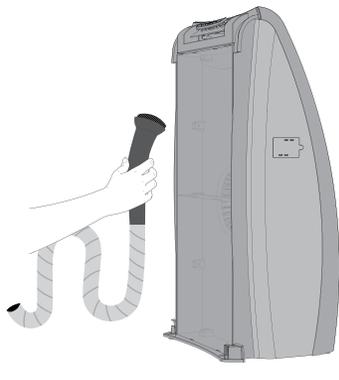


Fig. 2

CLEANING THE DUST SENSOR

It is recommended to clean the Dust Sensor when replacing the Carbon Filters.

1. Unplug the unit before cleaning.

2. Locate the Dust Sensor Access Door on the right side of the unit. (Figure 1)

3. Open Dust Sensor Access Door.

4. Gently wipe the surface of the Dust Sensor with a cotton swab. (Figure 2)

5. Once cleaned, close Dust Sensor Access Door.

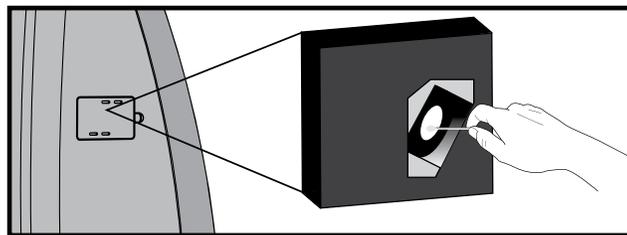


Fig. 1

Fig. 2

Other Maintenance

The motor is permanently lubricated so it needs no service. No other serviceable parts, other than Filters, are contained within the unit.

TROUBLESHOOTING

PROBLEM

POSSIBLE CAUSE AND SOLUTION

Unit fails to power on.

Unit is not plugged in. Plug power cord into electrical outlet.

Front Panel may not be properly installed. Remove and reinstall the Front Panel to assure proper placement. Refer to FILTER REPLACEMENT.

Household circuit breaker / ground fault interrupter has tripped or blown a fuse. Reset circuit breaker / ground fault interrupter, or replace fuse. For assistance, contact a licensed electrician.

Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.

Airflow is weak or slow.

Unit set to a low speed setting. Adjust to a higher speed setting.

Debris build-up on filter. Check and replace Filters.

Airflow is blocked. Remove obstruction.

Sleep Mode is not working.

There may be too much light in the room. Either manually turn the unit to low speed for minimal sound or darken the room.

Automatic Dust Sensing Mode is not working.

Sleep Mode may be selected. When in low light or no light, the unit will only operate at low speed. This will override Automatic Dust Sensing Mode. In regular light, the unit will return to Automatic Dust Sensing Mode operation.

The Dust Sensor may need to be cleaned to accurately read dust levels. See CLEANING AND MAINTENANCE for complete instructions.



WARRANTY

We expect this product to be perfect. If you're not satisfied with this product, let us know.

We're Here To Help
800.234.0604
vornado.com
help@vornado.com

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Whole Room Air Purifier ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost.

For warranty or repair service:

Call 1-800-234-0604 or email help@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service.

After receiving the RA form, ship your Product to:

Vornado Air LLC Attn: Warranty & Repair 415 East 13th Street Andover, KS 67002. For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock. Please allow 1-2 weeks for repair and return of your Product after the Product is received.

Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping. This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commer-

cial use of the Product, damages which occur in shipment or are attributed to acts of God. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

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The manufacturer assumes no responsibility for damage caused by failure to follow these instructions or improper product use. Any such actions will invalidate the product warranty.

Any unauthorized product modification, repair by unauthorized repair center, or use of non-approved replacement parts is not recommended and any consequences will not be covered by support services or product warranties.



Designed, engineered and supported in Andover, KS

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