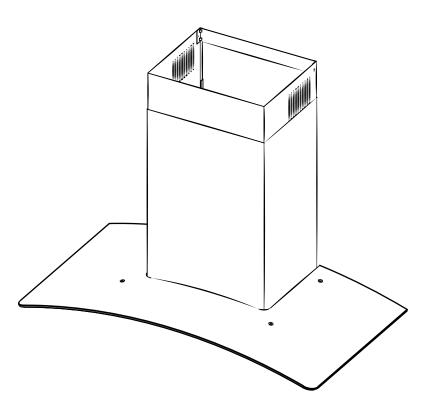
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# CHIMNEY RANGE HOOD EW46 Series INSTALLATION, USE AND CARE MANUAL



Serial number:

99046143B

### **READ AND SAVE THESE INSTRUCTIONS**

### INSTALLER: LEAVE THIS MANUAL WITH HOMEOWNER. HOMEOWNER: USE AND CARE INFORMATION ON PAGE 10.

In U.S.A., register your range hood online at www.broan.com In Canada, register your range hood online at www.broan.ca

### 

#### TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- 1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
- 2. Before servicing or cleaning unit, switch power off at service panel and lock service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- **3.** Installation work and electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
- 4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA) and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and the local code authorities.
- 5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- 6. Ducted fans must always be vented to the outdoors.
- 7. Do not use this unit with any solid-state speed control device.
- 8. To reduce the risk of fire, use only metal ductwork.
- 9. This unit must be grounded.
- **10.** When applicable local regulations comprise more restrictive installation and/or certification requirements, the aforementioned requirements prevail on those of this document and the installer agrees to conform to these at his own expense.

#### TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b) Always turn hood ON when cooking at high heat or when flambeing food (i.e.: Crêpes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan, filters or in exhaust ducts.
- **d)** Use proper pan size. Always use cookware appropriate for the size of the surface element.

## 

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING\*:

- SMOTHER FLAMES with a close-fitting lid, cookie sheet or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. IF THE FLAMES DO NOT GO OUT IMMEDIATELY, EVACUATE AND CALL THE FIRE DEPARTMENT.
- 2. NEVER PICK UP A FLAMING PAN You may be burned.
- **3.** DO NOT USE WATER, including wet dishcloths or towels This could cause a violent steam explosion.
- 4. Use an extinguisher ONLY if:
  - A. You own a Class ABC extinguisher and you know how to operate it.
  - **B.** The fire is small and contained in the area where it started.
  - C. The fire department has been called.
  - D. You can fight the fire with your back to an exit.
- \* Based on "Kitchen Fire Safety Tips" published by NFPA.

### CAUTION

- 1. For indoor use only.
- 2. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
- **3.** To avoid motor bearing damage and noisy and/or unbalanced impeller, keep drywall spray, construction dust, etc. off power unit.
- 4. Your hood motor has a thermal overload which will automatically shut off the motor if it becomes overheated. The motor will restart when it cools down. If the motor continues to shut off and restart, have the hood serviced.
- 5. The minimum hood distance above cooktop must not be less than 24". For best capture of cooking impurities, the bottom of the hood should be at a maximum of 30" above cooking surface.
- **6.** Two installers are recommended because of the large size and weight of this unit.
- To reduce the risk of fire and to properly exhaust air, be sure to duct air outside — Do not exhaust air into spaces within walls or ceiling or into attics, crawl space or garage.
- 8. Because of the high exhausting capacity of this unit, you should make sure enough air is entering the house to replace exhausted air by opening a window close to or in the kitchen.
- **9.** To reduce the risk of fire and electrical shock, the Broan Elite EW46 Series models should only be installed with their own built-in blower.
- **10.** When used in recirculation mode, to reduce the risk of fire and shock, use only conversion kit model ARKEW46.
- **11.** Please read specification label on product for further information and requirements.

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### 1. PREPARE INSTALLATION

NOTE: Before proceeding to the installation, check the contents of the box. If items are missing or damaged, contact the retailer. Make sure that the following items are included:

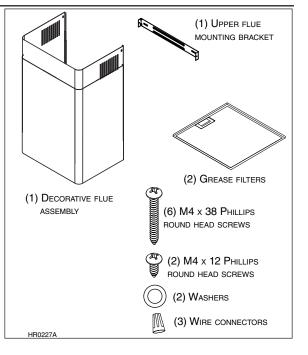
viake sure that the following items are in

- Hood
- Decorative flue assembly (lower and upper flues)
- Upper flue mounting bracket
- Aluminum grease filters (2)
- Installation instructions
  - Parts bag: 6 M4 x 38 Phillips 9 mm round head mounting screws, 2 M4 x 12 Phillips 9 mm round head screws, 2 washers and 3 wire connectors

#### Parts sold separately:

- Ducts, elbows, wall and roof caps.
- Optional flue extension for ceilings of 9 ft. or more: models AEEW46SS (stainless steel).
- Non-duct kit model ARKEW46, mandatory for non-ducted installation.

NOTE: During installation, protect countertop and/or cooktop.



### 2. SELECT INSTALLATION TYPE

### A WARNING

When performing installation, servicing or cleaning the unit, it is recommended to wear safety glasses and gloves.

#### 2.1 NON-DUCTED INSTALLATION

The ARKEW46 non-duct kit is required for a non-ducted installation.

#### 2.2 DUCTED INSTALLATION

Plan where and how the ductwork will be installed.

A straight, short duct run will allow the hood to perform most efficiently. Long duct runs, elbows and transitions will reduce the performance of the hood. Use as few of them as possible. Larger ducting may be required for longer duct runs.

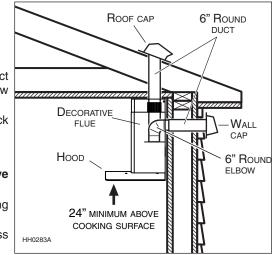
Install wall or roof cap. Connect 6" round metal ductwork to cap and work back towards the hood location. Use 2" metal foil duct tape to seal the joints.

#### 2.3 ALL INSTALLATIONS

The minimum hood distance above cooktop is 24". A maximum of 30" above cooktop is recommended for best capture of cooking impurities.

Distances over 30" are at the installer and users discretion providing that ceiling height and decorative flue length allow it.

NOTE: Ceilings of 9 ft. or more require flue extension model AEEW46SS (stainless steel).



### 3. BUILD FRAMEWORK

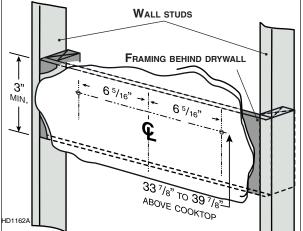
#### **▲ WARNING**

- When cutting or drilling into wall, do not damage electrical wiring and other hidden utilities.
- · When building framework, always follow all applicable construction codes and standards.

Construct wood wall framing that is even with the surface of wall studs. Wood wall framing must be at least 1/2" thick and 3" high. Fasten wood wall framing to wall studs for a solid installation.

Make sure that the height of the framing will allow the retaining screws to be secured to the framing within the dimensions shown.

**After wall surface is finished**, using a level, draw a vertical line up to the ceiling starting from the center of the planned hood location. Measure and mark the retaining screw locations using the measurements given in illustration at right. Insert 2 M4 x 38 Phillips 9 mm round head mounting screws in wall framing; do not completely tighten the screws at this time.

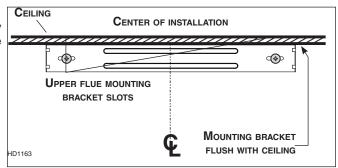


33 7/8 = bottom of hood 24" above cooktop 39 7/8 = bottom of hood 30" above cooktop

### 4. INSTALL UPPER FLUE MOUNTING BRACKET (DUCTED INSTALLATION ONLY)

Center the upper flue mounting bracket with the center line previously drawn in step 3 and place it flush with the ceiling. Use the upper flue mounting bracket as a template to mark the position of its screws.

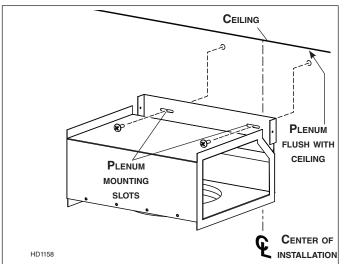
Secure the upper flue mounting bracket to the wall using 2 M4 x 38 Phillips 9 mm round head mounting screws. Make sure that the bracket is tight against the wall.



### 5. INSTALL PLENUM (NON-DUCTED INSTALLATION ONLY)

Center the plenum with the center line previously drawn in step 3 and place it flush with the ceiling. Use the plenum mounting slots as a template to mark the position of its screws.

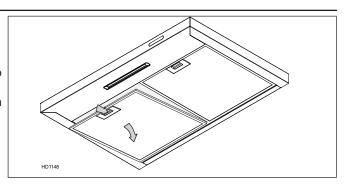
Secure the plenum to the wall using 2 M4 x 38 Phillips 9 mm round head mounting screws. Make sure that the plenum is tight against the wall.



### 6. REMOVE GREASE FILTERS

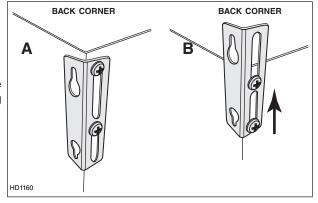
Lay the back side of the hood flat on a table. Use a piece of cardboard to avoid damaging the table or the hood.

To remove the grease filters, pull down on the metal latch tab and tilt each filter downward. Set filters aside.



### 7. ADJUST THE HOOD MOUNTING BRACKETS

Both hood mounting brackets, located on top back corners of the unit, are factory sent in down position (A). For each bracket, loosen both retaining screws, then lift up bracket as shown in B, then tighten the screws.

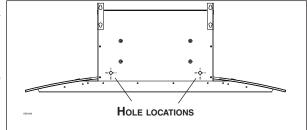


### 8. INSTALL THE HOOD

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BE CAREFUL when installing the decorative flue and hood, they may have sharp edges.

- 1. Align the hood with the center line previously marked on the wall. Gently lower the hood until it securely engages the screws on the wall.
- 2. Level the hood and completely tighten the screws on the wall.
- 3. Secure the hood to the wall by inserting 2 M4 x 38 Phillips 9 mm round head mounting screws and 2 washers in the lower back of the hood (see back view at right). Tighten both screws completely.

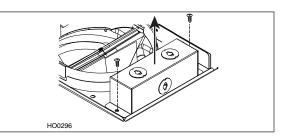


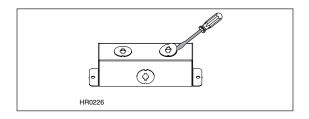
### 9. CONNECT WIRING

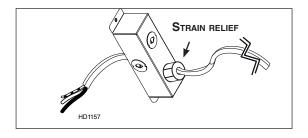
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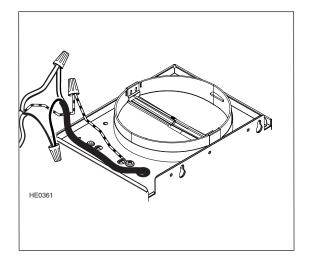
Risk of electric shock. Electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards. Before connecting wires, switch power off at service panel and lock service disconnecting means to prevent power to be switched on accidentally.

Detach the junction box cover from the top of the hood by removing both retaining screws. Set aside the cover and the screws.









Remove a knockout from the junction box cover top.

Install a UL approved strain relief (not included) on the house power cable at 4" from the cable end. Run the power cable in the junction box cover opening, then use the strain relief to secure the house power cable to the junction box cover.

Connect power cable to range hood wiring using included wire connectors. Connect BLACK to BLACK, WHITE to WHITE and GREEN or BARE WIRE to GREEN. **DO NOT FORGET TO CONNECT THE GROUND.** 

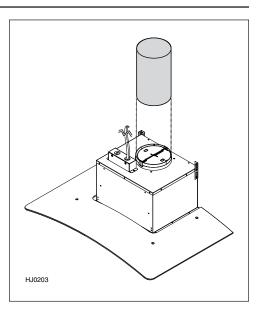
Reinstall the junction box cover. Make sure all wires are inside the junction box cover.

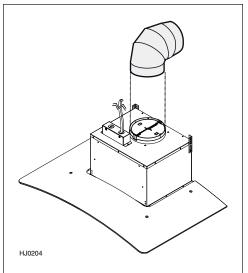
### CAUTION

Make sure not to pinch any wire when reinstalling the junction box cover.

#### VERTICALLY DUCTED INSTALLATION:

Slide a 6" round metal duct section over the adapter/damper on the hood up to the roof cap. Use metal foil duct tape to seal the joint.



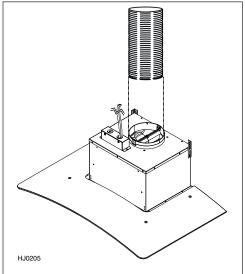


#### HORIZONTALLY DUCTED INSTALLATION:

Measure and install 6" round metal ductwork to wall cap and 90° elbow over duct collar then install the 90° elbow over the adapter/damper on the hood. Use metal foil duct tape to seal the joints.

#### NON-DUCTED INSTALLATION:

Remove the damper flaps. Measure the length of 6" round flexible duct (included in the nonduct kit) required from the top of the hood to the plenum. Slide the 6" round flexible metal duct over the adapter on the hood. Use metal foil duct tape to seal the joint.



### **11. PREPARE THE DECORATIVE FLUE**

#### CAUTION

#### DO NOT REMOVE the protective plastic film covering the upper flue yet.

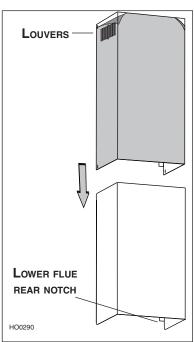
NOTE: Both lower and upper flues are included with the hood, but for ceilings of 9 ft. or more, discard the provided lower and upper flues and use the optional flue extension, part no. AEEW46SS (stainless steel) (sold separately).

Remove the upper flue from inside the lower flue. Remove protective plastic film covering the lower flue only. Peel off both corners at the top of the upper flue.

NOTE: For non-ducted installation only, remove enough plastic film to clear the louvers.

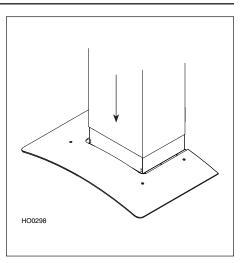
Gently slide upper flue inside lower flue, louvers end up.

NOTE: Upper flue can be reversed to hide louvers in some applications depending on installation heights.



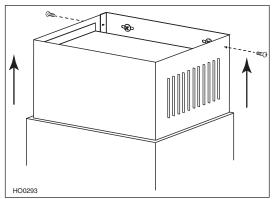
### **12. INSTALL THE DECORATIVE FLUE**

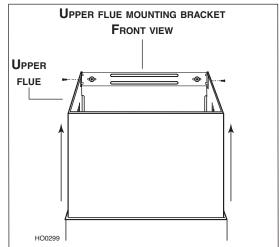
Carefully slide in place decorative flue base (notches end first) in the groove on the top of the hood.



#### NON-DUCTED INSTALLATION:

Slide up the upper flue until it is aligned with the plenum. Secure the upper flue to the plenum using 2 M4 x12 Phillips 9 mm round head screws. Remove protective plastic film covering the upper flue and the hood.





#### **D**UCTED INSTALLATION:

Slide up the upper flue until it is aligned with its mounting bracket. The bracket must be inside the flue. Secure the upper flue to its bracket using 2 M4 x12 Phillips 9 mm round head screws.

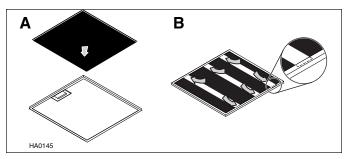
NOTE: Duct not shown in illustration to ease understanding.

Remove protective plastic film covering the upper flue and the hood.



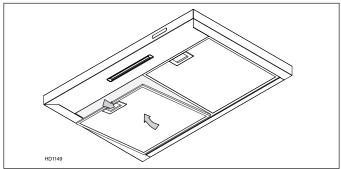
#### NON-DUCTED INSTALLATION:

Install a charcoal filter on each aluminum grease filter back (A). Hold the charcoal filter in place by inserting both ends of the 3 metal strips in each aluminum grease filter frame (B).



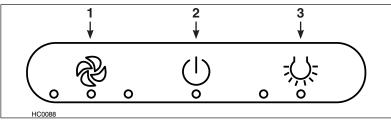
#### ALL INSTALLATIONS:

To reinstall the grease filters, align rear filter tabs with slots in the hood. Pull down the metal latch tab, push each filter into position and release. Make sure filters are securely engaged after installation.



### **14. OPERATION**

Always turn your hood on before you begin cooking to establish an air flow in the kitchen. Let the blower run for a few minutes to clear the air after you turn off the range. This will help keep the whole kitchen cleaner and brighter.



1) Blower Speed key + OFF 2) Master ON/OFF key 3) Light Intensities + OFF key

#### 1. BLOWER ON/SPEED INCREASE KEY (DOUBLE FUNCTION KEY):

Press the Blower ON/Speed increase push button to activate the blower at low speed. Press twice for medium speed and once more for high speed. The LED indicator below the key will light according to the speed level chosen (one LED = low speed, 2 LEDs = medium speed, 3 LEDs = high speed). Press once more to turn OFF the blower; the LED indicators will then shut off.

#### 2. MASTER ON/OFF KEY

When blower and light are ON, press the Master ON/OFF to turn OFF both blower and light. When blower and light are OFF, press this key to turn ON the blower to the previous speed setting and turn ON the light at the previous light intensity.

#### 3. LIGHT INTENSITIES + OFF KEY:

Press this key once to turn ON the light on low intensity, one LED indicator will light. Press once more to turn the light on high intensity (both LED indicators will light). Press another time to turn OFF the light (both LED indicators will then shut off).

### **15. CARE**

#### **Grease Filters**

Grease filters should be cleaned frequently. Use a warm dishwashing detergent solution to clean the filters. Grease filters are dishwasher safe.

Clean all-metal filters in the dishwasher using a non-phosphate detergent. Discoloration of the filters may occur if using phosphate detergents, or as a result of local water conditions - but this will not affect filter performance. This discoloration is not covered by the warranty. To minimize or prevent discoloration, hand wash filters using a mild detergent.

#### **Non-ducted Filters**

Change the non-duct recirculation filters every 6 months. Purchase S99010475 for EW46 series range hoods.

#### Hood Cleaning

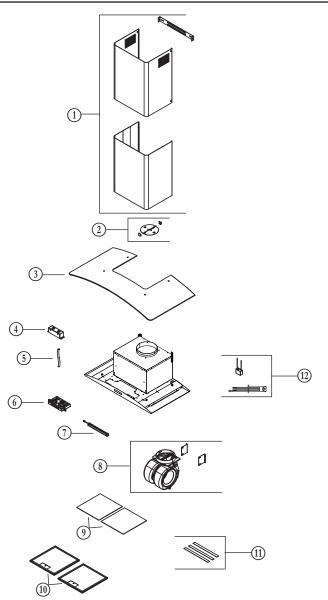
Stainless Steel Cleaning:

Do:		Don't:		
•	Regularly wash with clean cloth or rag soaked with warm water and mild soap or liquid dish detergent.	•	Use any steel or stainless steel wool or any other scrapers to remove stubborn dirt.	
•	Always clean in the direction of original polish lines.	•	Use any harsh or abrasive cleansers.	
•	Always rinse well with clear water (2 or 3 times) after cleaning.	•	Allow dirt to accumulate.	
	Wipe dry completely.	•	Let plaster dust or any other construction residues reach the	
•	You may also use a specialized household stainless steel cleaner.		hood. During construction/renovation, cover the hood to make sure no dust sticks to stainless steel surface.	

#### Avoid when choosing a detergent:

- Any cleaners that contain bleach will attack stainless steel.
- Any products containing: chloride, fluoride, iodide, bromide will deteriorate surfaces rapidly.
- Any combustible products used for cleaning such as **acetone**, **alcohol**, **ether**, **benzol**, etc., are highly explosive and should never be used close to a range.

### **16. REPLACEMENT PARTS**



#### REPLACEMENT PARTS AND REPAIRS

In order to ensure your unit remains in good working condition, you must use Broan-NuTone LLC or Venmar Ventilation ULC genuine replacement parts only. Broan-NuTone LLC or Venmar Ventilation ULC genuine replacement parts are specially designed for each unit and are manufactured to comply with all the applicable certification standards and maintain a high standard of safety. Any third party replacement part used may cause serious damage and drastically reduce the performance level of your unit, which will result in premature failing. Broan-NuTone LLC and Venmar Ventilation ULC recommend to contact a certified service depot for all replacement parts and repairs.

HL0457

Key NO.	PART NO.	PART NO. DESCRIPTION		36"
1	S97021447	DECORATIVE UPPER AND LOWER FLUES (STAINLESS STEEL) WITH BRACKET	1	1
2	S99527461	DAMPER ASSEMBLY	1	1
3	S97021445	GLASS WITH HARDWARE	1	
3	S97021446	GLASS WITH HARDWARE		1
4	S99840026	JUNCTION BOX	1	1
5	S97021448	Power Cable	1	1
6	S97021443	ELECTRONIC BOARD	1	1
7	S99010479	LED MODULE	1	1
8	S97021444	MOTOR ASSEMBLY	1	1
9	S99010475	NON-DUCT RECIRCULATION FILTERS (SET OF 2) (METAL STRIPS NOT INCLUDED)	1	1
10	S99010478	ALUMINUM GREASE FILTERS (SET OF 2)	1	1
11	S99010482	METAL STRIPS FOR NON-DUCT RECIRCULATION FILTERS (SET OF 3)	2	2
12	S99271685	CAPACITOR AND MAIN HARNESS ASSEMBLY	1	1
*	S97021435	Parts bag including: 6 M4 x 38 Phillips 9 mm round head mounting screws, 2 M4 x 12 Phillips 9 mm round head screws, 2 washers, 3 wire connectors, 1 upper flue mounting bracket, 2 mounting brackets and 4 3/16-24 x 1/2" screws	1	1

\* NOT SHOWN.

### **17. WARRANTY**

#### **Limited Warranty**

<u>Warranty Period and Exclusions</u>: Broan-NuTone LLC and Venmar Ventilation ULC (either being the "Company") warrants to the original consumer purchaser of its product ("you") that the product (the "Product") will be free from material defects in the Product or its workmanship for a period of one (1) year from the date of original purchase (or such longer period as may be required by applicable law). The limited warranty period for any replacement parts provided by the Company and for any Products repaired or replaced under this limited warranty shall be the remainder of the original warranty period (or such longer period as may be required by applicable law).

This warranty does not cover fluorescent lamp starters, tubes, halogen and incandescent bulbs, fuses, filters, ducts, roof caps, wall caps and other accessories for ducting that may be purchased separately and installed with the Product. This warranty also does not cover (a) normal maintenance and service, (b) normal wear and tear, (c) any Products or parts which have been subject to misuse, abuse, abnormal usage, negligence, accident, improper or insufficient maintenance, storage or repair (other than repair by the Company), (d) damage caused by faulty installation, or installation or use contrary to recommendations or instructions, (e) any Product that has been moved from its original point of installation, (f) damage caused by environmental or natural elements, (g) damage in transit, (h) natural wear of finish, (i) Products in commercial or nonresidential use, or (j) damage caused by fire, flood or other act of God or (k) Products with altered, defaced or removed serial numbers. This warranty covers only Products sold to original consumers in the United States and Canada by the Company or its U.S. and Canadian distributors authorized by the Company.

This warranty supersedes all prior warranties and, subject to applicable law, is not transferable from the original consumer purchaser.

No Other Warranties: This Limited Warranty contains the Company's sole obligation and your sole remedy for defective products. The foregoing warranties are exclusive and in lieu of any other warranties and conditions, express or implied. THE COMPANY DISCLAIMS AND EXCLUDES ALL OTHER EXPRESS WARRANTIES AND CONDITIONS, AND DISCLAIMS AND EXCLUDES ALL WARRANTIES AND CONDITIONS IMPLIED BY LAW, INCLUDING WITHOUT LIMITATION THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. To the extent that applicable law prohibits the exclusion of implied warranties or conditions, the duration of any applicable implied warranty or condition is limited to the period specified for the express warranty above. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Any oral or written description of the Product is for the sole purpose of identifying it and shall not be construed as an express warranty.

Whenever possible, each provision of this Limited Warranty shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision is held to be prohibited or invalid, such provision shall be ineffective only to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the other remaining provisions of the Limited Warranty.

**Remedy:** During the applicable limited warranty period, the Company will, at its option, provide replacement parts for, or repair or replace, without charge, any Product or part thereof, to the extent the Company finds it to be covered by and in breach of this limited warranty under normal use and service. The Company will ship the repaired or replaced Product or replacement parts to you at no charge. You are responsible for all costs for removal, reinstallation and shipping, insurance or other freight charges incurred in the shipment of the Product or part to the Company. If you must send the Product or part to the Company, as instructed by the Company, you must properly pack the Product or part—the Company is not responsible for damage in transit. The Company reserves the right to utilize reconditioned, refurbished, repaired or remanufactured Products or parts in the warranty repair or replacement process. Such Products and parts will be comparable in function and performance to an original Product or part and warranted for the remainder of the original warranty period (or such longer period as may be required by applicable law).

Company reserves the right, in its sole discretion, to refund the money actually paid by you for the Product in lieu of repair or replacement. If the Product or component is no longer available, replacement may be made with a similar product of equal or greater value, at Company's sole discretion. This is your sole and exclusive remedy for breach of this limited warranty.

Exclusion of Damages: THE COMPANY'S OBLIGATION TO PROVIDE REPLACEMENT PARTS, OR REPAIR, REPLACE OR REFUND, AT THE COMPANY'S OPTION, SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY AND THE COMPANY'S SOLE AND EXCLUSIVE OBLIGATION. THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, INDIRECT, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE PRODUCT, ITS USE OR PERFORMANCE. Incidental damages include but are not limited to such damages as loss of time and loss of use. Consequential damages include but are not limited to the cost of repairing or replacing other property which was damaged if the Product does not work properly.

THE COMPANY SHALL NOT BE LIABLE TO YOU, OR TO ANYONE CLAIMING UNDER YOU, FOR ANY OTHER OBLIGATIONS OR LIABILITIES, INCLUDING, BUT NOT LIMITED TO, OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR WARRANTY, NEGLIGENCE OR OTHER TORT OR ANY THEORY OF STRICT LIABILITY, WITH RESPECT TO THE PRODUCT OR THE COMPANY'S ACTS OR OMISSIONS OR OTHERWISE.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from jurisdiction to jurisdiction. The disclaimers, exclusions, and limitations of liability under this warranty will not apply to the extent prohibited by applicable law.

This warranty covers only replacement or repair of defective Products or parts thereof at the Company's main facility and does not include the cost of field service travel and living expenses.

Any assistance the Company provides to or procures for you outside the terms, limitations or exclusions of this limited warranty will not constitute a waiver of such terms, limitations or exclusions, nor will such assistance extend or revive the warranty.

The Company will not reimburse you for any expenses incurred by you in repairing or replacing any defective Product, except for those incurred with the Company's prior written permission.

How to Obtain Warranty Service: To qualify for warranty service, you must (a) notify the Company at the address or telephone number stated below within seven (7) days of discovering the covered defect, (b) give the model number and part identification and (c) describe the nature of any defect in the Product or part. At the time of requesting warranty service, you must present evidence of the original purchase date. If you cannot provide a copy of the original written limited warranty, then the terms of the Company's most current written limited warranty for your particular product will control. The most current limited written warranties for the Company's products can be found at www.broan.com and www.broan.ca. Broan-NuTone LLC 926 West State Street, Hartford, WI 53027 www.broan.com 800-637-1453

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