

## Heat-A-Ventlite® (with Night Light)

**MODEL: 9965**

### FOR BEST RESULTS

In a new construction site, install the housing (complete with heater and ventilator) during rough-in construction of the building. The light assembly and the grille should be installed when the finished ceiling is in place.

Installation in an existing, finished building requires an accessible area (attic or crawl space) above the planned location. See "INSTALLATION IN EXISTING CONSTRUCTION."

Do not install closer than 12 inches to a vertical surface. Do not install over tub or shower enclosure.

### UNIT DIMENSIONS

Refer to Figure 1 for housing's dimensions.

**NOTE: If there will be a finished second floor above, the Model 9965 housing requires a minimum of 2" x 8" joist construction for mounting.**

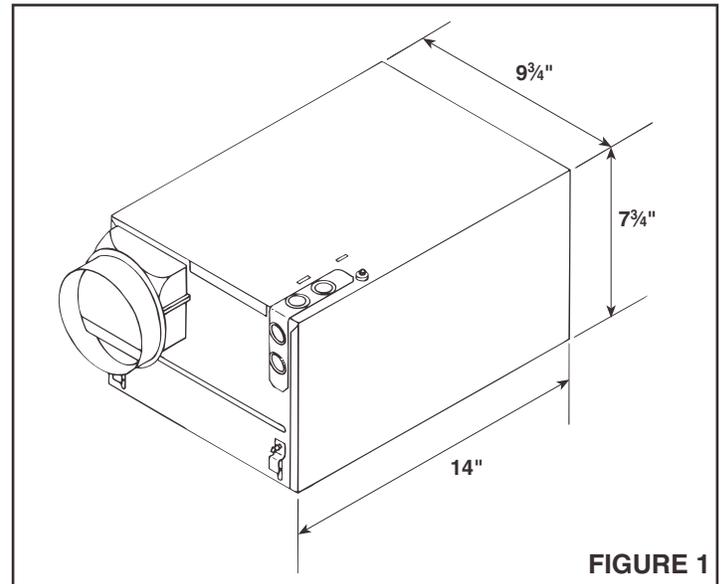
### WIRING AND DUCTWORK

1. Run the required wiring during rough-in stage of construction.
2. Total connected load: 1730 watts.
3. Plan to run 120vAC, 60 Hz wiring (with ground) on a separate 20 Amp circuit from a power source, through the provided wall switch, to the housing's junction box. See wiring diagram.
4. Use 4" round duct.

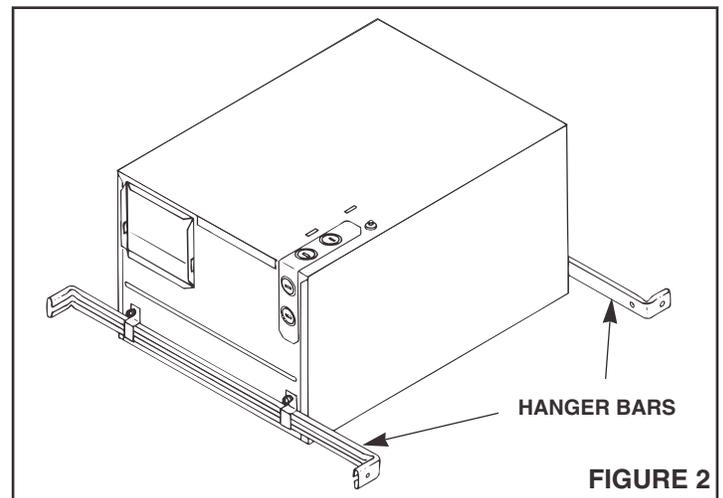
### INSTALLATION IN NEW CONSTRUCTION

#### PREPARATION

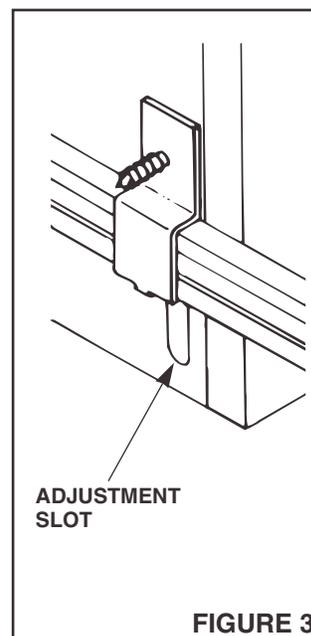
1. Install hanger bar brackets in slots in housing. (See Fig. 3)  
Do not tighten completely to allow bars to be inserted.
2. Refer to Figure 2. Insert hanger bars into brackets.
3. Refer to Figure 3. Slide hanger bar brackets down to end of slot closest to outside edge of housing. Tighten brackets in this position.
4. Refer to Figure 4. Remove junction box cover by removing one screw.
5. Refer to Figure 4. Remove appropriate wiring knockout(s) and install approved box connector(s).



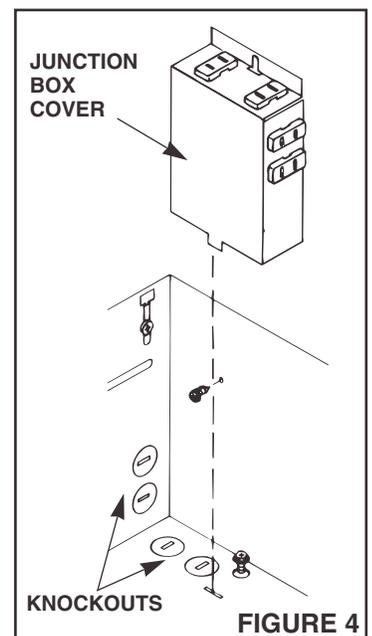
**FIGURE 1**



**FIGURE 2**



**FIGURE 3**



**FIGURE 4**

## MOUNTING THE HOUSING

1. Locate housing between joists.
2. **Refer to Figure 5.** Using nails, secure hanger bars to joist.  
**NOTE: The hanger bar brackets are adjustable.**  
**Allowing for the thickness of the finished ceiling, mount hanger bars so that edge of housing will be flush with the finished ceiling.**
3. Adjust brackets as required. Tighten brackets.

## INSTALLING THE DUCTWORK

1. **Refer to Figure 5.** Install duct collar.
2. Using 4" round duct, connect duct to collar and tape connection.

## INSTALLING THE SWITCH

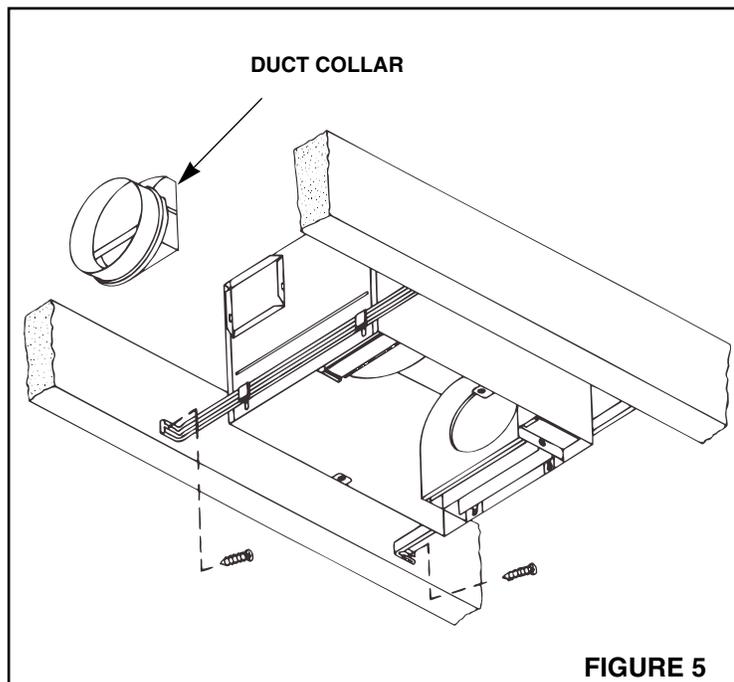
1. Install double-gang switch box in chosen location.
2. **Refer to Figure 6.** Run wiring and make wiring connections.
3. Use supplied screws to secure switch bracket assembly to switch box.
4. Using supplied screws, secure wall plate to switch bracket.

## INSTALLING AND CONNECTING THE WIRING

**Refer to Figure 6.**

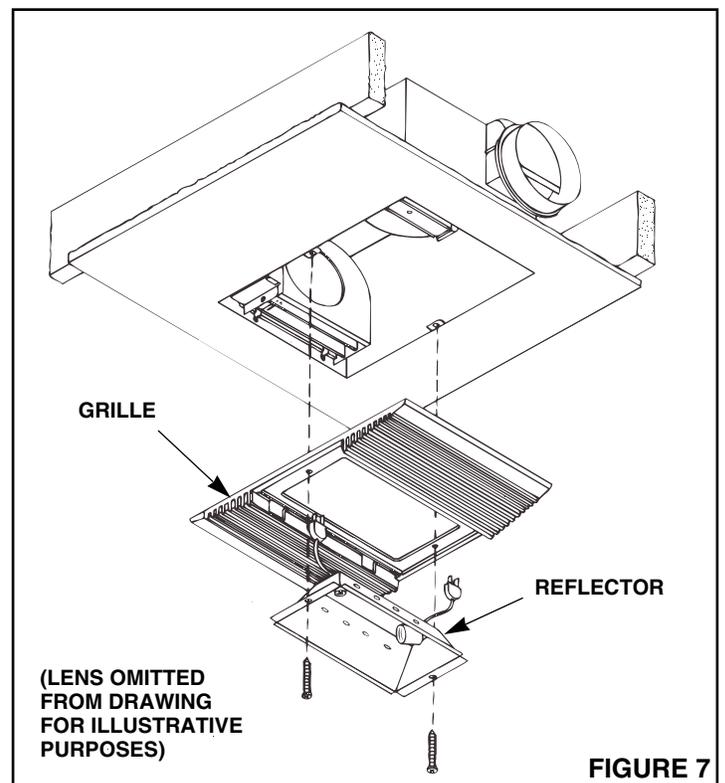
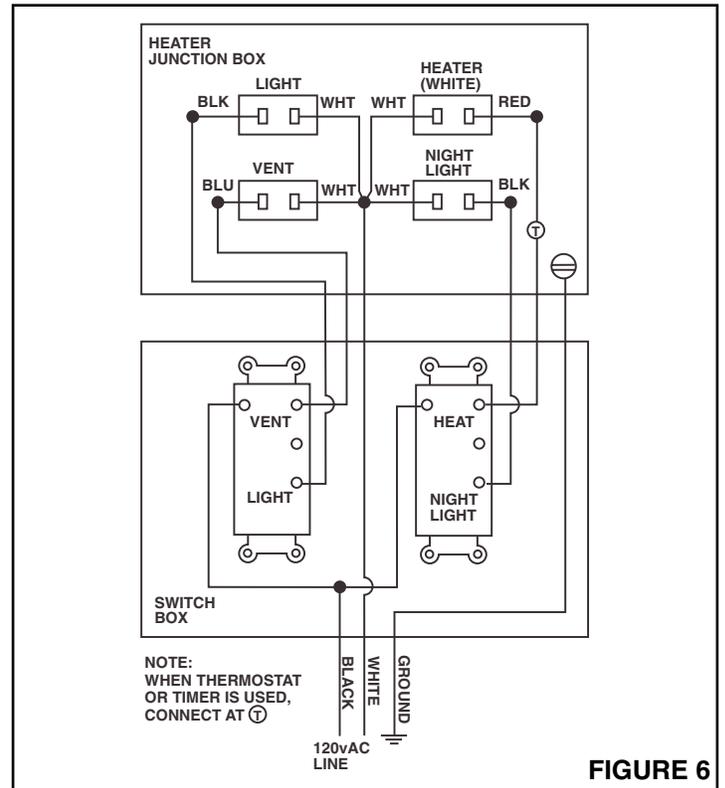
**All wiring must comply with local codes and unit must be properly grounded.**

1. Using 12-gauge wire, run 120vAC, 60 Hz wiring (with ground) from a power source to the wall switch location.  
**The unit must be wired on a separate 20 Amp circuit.**
2. Run wiring from switch location to housing as shown in the wiring diagram.
3. Make wiring connections as shown in wiring diagram.
4. Replace junction box cover. Slide slotted hole in cover over screw. Tighten screw securely.
5. Secure wire cover with one screw.
6. Insert heater and ventilator plugs into proper receptacles as shown.



## MOUNTING THE GRILLE ASSEMBLY

1. **Refer to Figure 7.** Place the reflector into the grille.
2. **Refer to Figure 8.** Insert light plug and night light plug into receptacles.
3. **Refer to Figure 7.** Using two provided screws, secure grille and reflector to housing.
4. Install 100 watt (maximum) light bulb into light socket.
5. Install 7 watt (maximum) C-7 candelabra type bulb into night light socket.
6. **Refer to Figure 9.** Snap lens into place.



## INSTALLATION IN EXISTING CONSTRUCTION

In an existing, finished building, installation of the Heat-Vent-Light Combination requires an accessible area (attic or crawl space) above the planned location. If the location that has been chosen for installation has a finished floor above it, be certain there is sufficient space available to install the housing and make the necessary duct connection.

### PLANNING

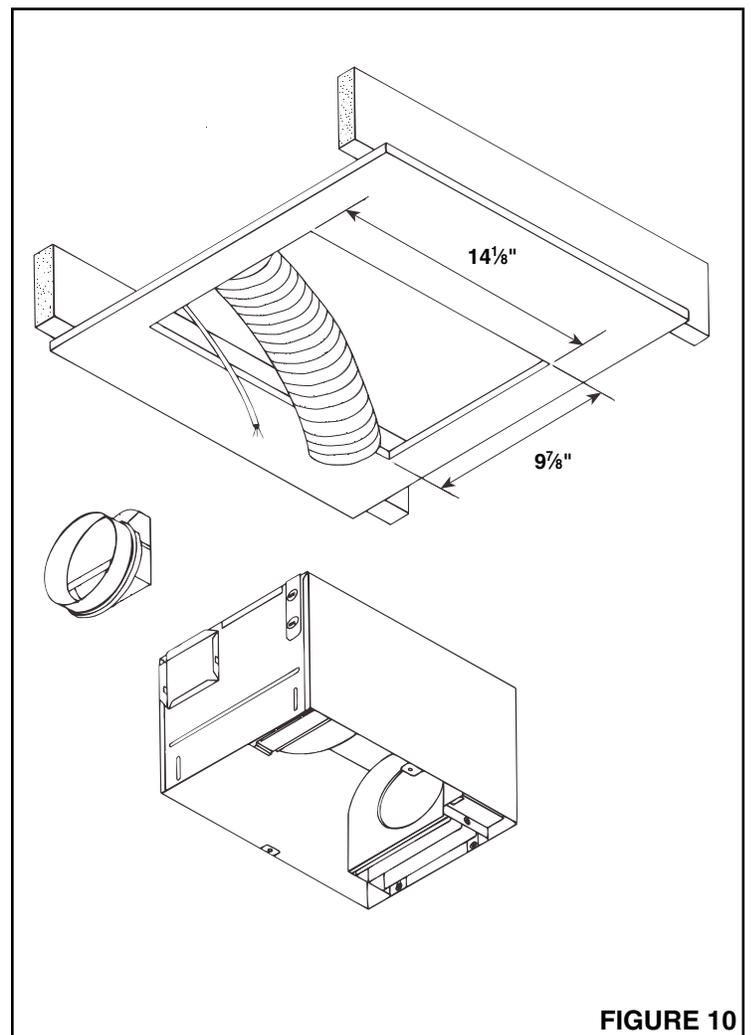
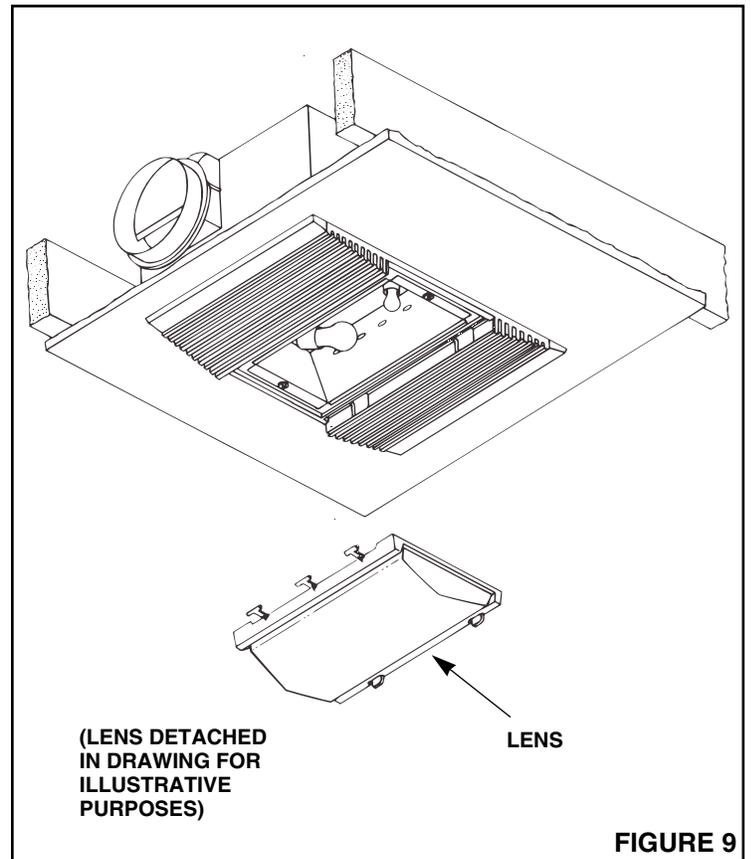
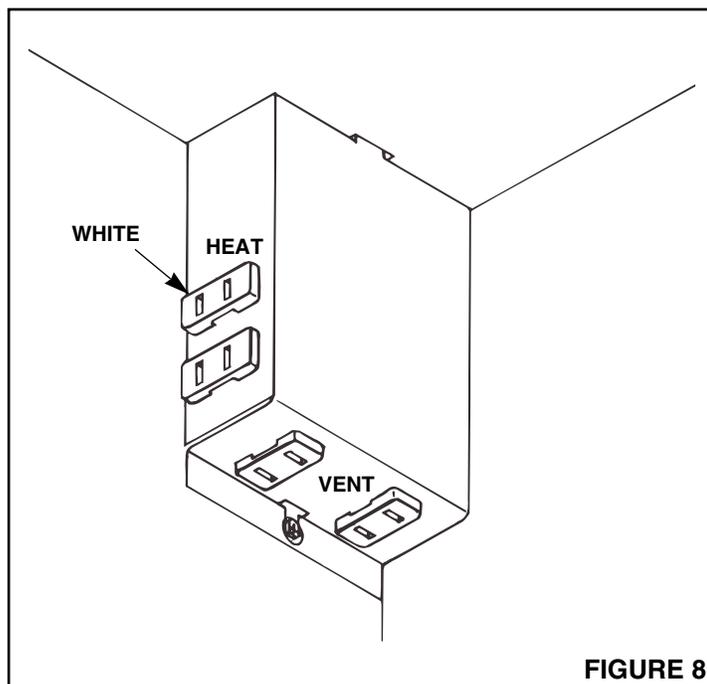
Review "INSTALLATION IN NEW CONSTRUCTION" and follow all instructions that apply.

**CAUTION: Check the area above the planned location to make sure that:**

- (1) Ducting can be installed.
- (2) Wiring can be run to the planned location.
- (3) No wiring or other obstructions might interfere with the installation.

### INSTALLATION

1. The housing must be mounted between ceiling joists.
2. **Refer to Figure 10.** Mark ceiling for cutout. Cutout dimensions:  $14\frac{1}{8}$ " long x  $9\frac{7}{8}$ " wide. Make cutout in ceiling.
3. Follow steps under "PREPARATION" page 1.
4. From above, lower housing into the cutout and secure hanger brackets. Install duct collar, connect duct, and run wiring through box connectors.
5. From below, adjust housing so that it is flush with the finished ceiling.
6. From below, make wiring connections as shown in figure 6.
7. Replace junction box cover.
8. Insert heater, ventilator, light, and night light plugs into proper receptacles.
9. install grille, reflector and lens.



# NuTone®

## One Year Limited Warranty

**WARRANTY OWNER:** NuTone warrants to the original consumer purchaser of its products that such products will be free from defects in materials or workmanship for a period of one (1) year from the date of original purchase. **THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**During this one year period,** NuTone will, at its option, repair or replace, without charge, any product or part which is found to be defective under normal use and service. **THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS OR TUBES, FILTERS, DUCT, ROOF CAPS, WALL CAPS AND OTHER ACCESSORIES FOR DUCTING.** This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by NuTone), faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the one year period as specified for the express warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

**NUTONE'S OBLIGATION TO REPAIR OR REPLACE, AT NUTONE'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. NUTONE SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE.** Some states 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 state to state. This warranty supersedes all prior warranties.

**WARRANTY SERVICE: To qualify for warranty service, you must (a) notify NuTone at the address stated below or telephone 1/800-543-8687, (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.**

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Date of Installation

Builder or Installer

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Model No. and Product Description

**IF YOU NEED ASSISTANCE OR SERVICE:**

For the location of your nearest NuTone Independent Authorized Service Center:

**Residents of the contiguous United States** Dial Free 1-800-543-8687

Please be prepared to provide:

Product model number • Date and Proof of purchase • The nature of the difficulty

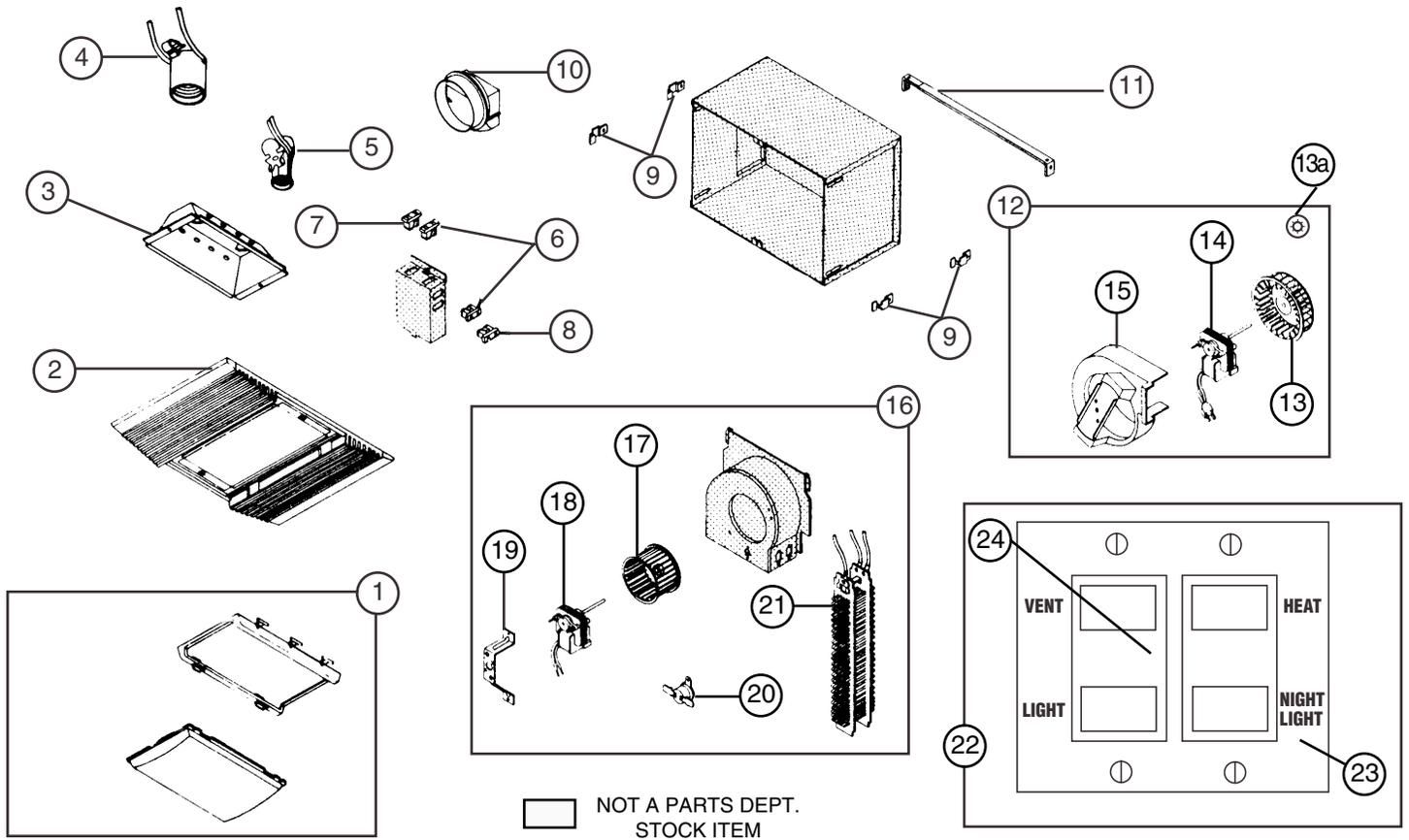
**Residents of Alaska or Hawaii should write to:** NuTone Inc. Attn: Department of National Field Service, 4820 Red Bank Road, Cincinnati Ohio 45227-1599.

**Residents of Canada should write to:** Broan-NuTone Canada, 1140 Tristar Drive, Mississauga, Ontario, Canada L5T 1H9.

Rev. 03/2001

# PARTS LIST

EFFECTIVE DATE	MODEL NUMBER	PRODUCT GROUP
MAY 1999	9965 REVISED	HEATER



REF. NO.	ORIGINAL PART NO.	*PART DESCRIPTION	REPLACEMENT PART NO.
1	K3132	BEZEL/LENS ASSEMBLY	89340-000
2	K9010	GRILLE	89339-000
3	K3135	REFLECTOR	89375-000
4	K3136	SOCKET-LARGE	35758-000
5	K3137	SOCKET-SMALL W/CLIP	35759-000
6	K3097	RECEPTACLE-BLACK	66204-000
7	K3160	RECEPTACLE-BLUE WIRE	57976-000
8	K3096	RECEPTACLE-WHITE	56721-000
9	K3094	MOUNTING BRACKET (1) - 4 Required	57117-000
10	K3143	DUCT ADAPTOR	30652-000

(PLEASE SEE OTHER SIDE)

**NOTE: Always order by current part number.**

REF. NO.	ORIGINAL PART NO.	*PART DESCRIPTION	REPLACEMENT PART NO.
11	K3010	HANGER ROD ASSEMBLY (1) 2 Required	85585-000
12	K3117	"B" UNIT ASSEMBLY-VENT	86693-000
13	K3122	BLOWER WHEEL	82403-000
13a	82404	PUSH NUT	82404-000
14	K3121	MOTOR (VENT)	89321-000
15	K3118	SCROWL (PLASTIC)	2908A-000
16	K3102	"B" UNIT ASSEMBLY (HEAT)	89306-000
17	K3111	BLOWER WHEEL (HEAT)	66583-000
18	K3110	MOTOR (HEAT)	89315-000
19	K3112	MOTOR BRACKET	23255-000
20	K3360	THERMAL PROTECTOR	1179A-000
21	K3107	HEATING ELEMENT	89312-000
22	K3146	SWITCH ASSEMBLY COMPLETE - HARDWARE BAG ASSEMBLY	85918-000
23	K3147	SWITCH PLATE	85920-000
24	K3148	SWITCH DOUBLE - (2 Required)	85921-000
*	K9012	GRILLE SCREW NOT SHOWN	89323-000

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**NOTE: Always order by current part number.**

9965 I.I.

