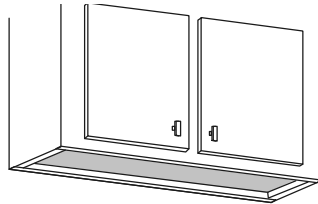


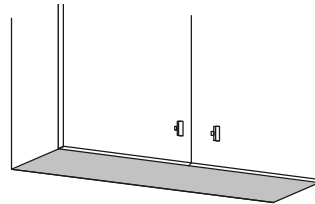
Prepare the Hood Location

NOTE: Before starting installation, read all the steps of these instructions.
Use the illustration below to identify your kitchen cabinet type.

FRAMED CABINET



FRAMELESS CABINET



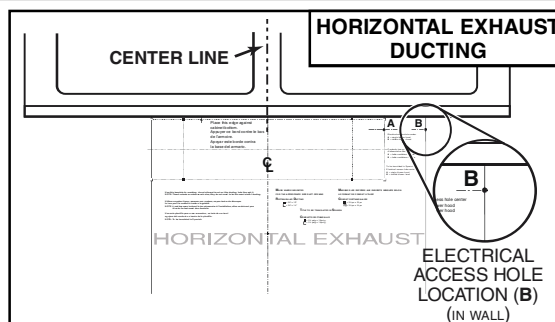
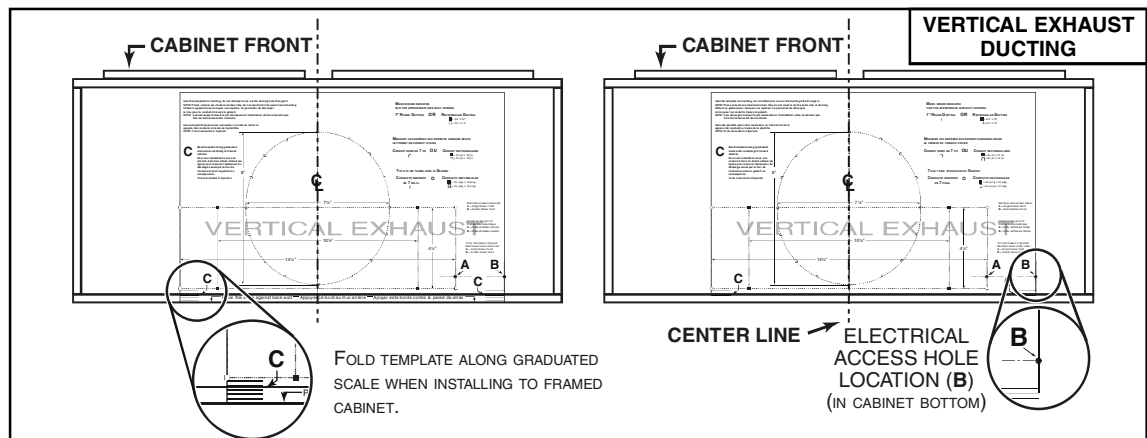
This manual covers 2 kinds of installation: the standard (without EZ1 brackets) and the EZ1 one-person installation system (using included template and brackets).
For the standard installation, go to page 19.

EZ1 one-person installation system

EZ1 installation is designed for use with kitchen cabinets that have the same width designation as the range hood width. If the cabinet is greater than 1/2" wider than the range hood width, please use the standard installation method.

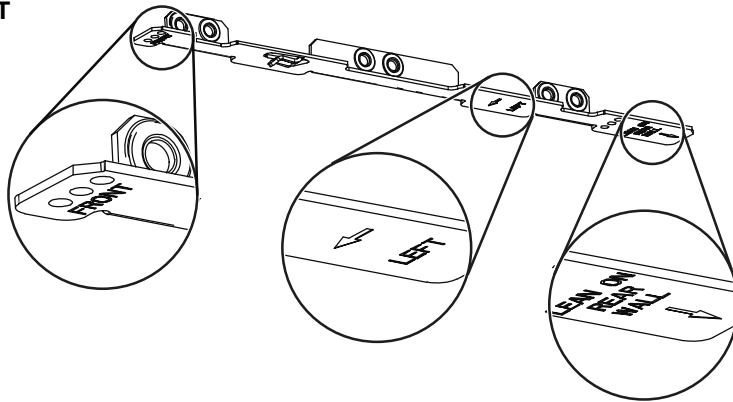
- 1] Use the proper template for vertical OR horizontal discharge (included) for placement of ductwork and electrical cutout in cabinet or wall. For a non-ducted installation, DO NOT cut a duct access hole, only cut the hole for electrical wiring. **If replacing a hood and plan to use the existing duct and electrical, steps 2 to 5 may not be necessary. If so, skip to step 6.**
- 2] Measure and mark the hood center line on cabinet bottom.
- 3] Align the center line on template with the hood center line marked on the bottom of the cabinet, placing the edge (where indicated) of the template against back wall. When using with framed cabinet for vertical exhaust installation, fold over rear edge of template equal to the depth of the cabinet frame at the wall (use graduations on template, **C** locations on template). Tape the template in place.

NOTE: When facing the installation, **A** and **B** (on template) must be at right.

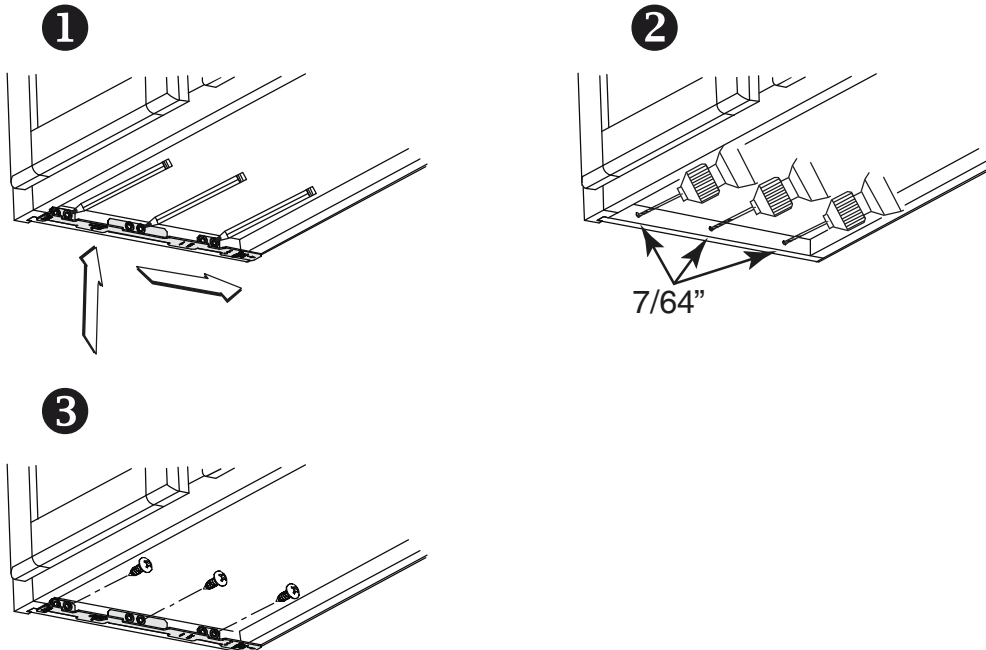


- 4] Drill a 1/8" dia. pilot hole for house wiring, at **B** location on template.
- 5] Use a sharp pencil or 1/8" drill bit to mark the locations for the appropriate duct access holes (16 locations for 7" round duct, or 4 corner locations for rectangular duct). Remove the template.
- 6] Draw the border for the exhaust ducting by linking its marks (16 for round duct and 4 for rectangular duct), then cut the opening in the cabinet bottom (vertical exhaust) or in the wall (horizontal exhaust). Drill the house wiring hole by using a 1½" hole saw centered with the pilot hole previously made in 4.
- 7] Install the proper installation brackets according to the type of cabinet (framed or frameless). See below.

FRAMED CABINET

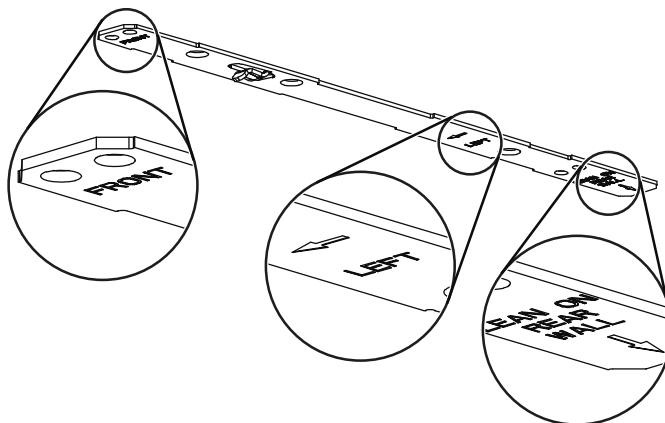


Refer to the marking on brackets to determine the correct installation side and orientation.

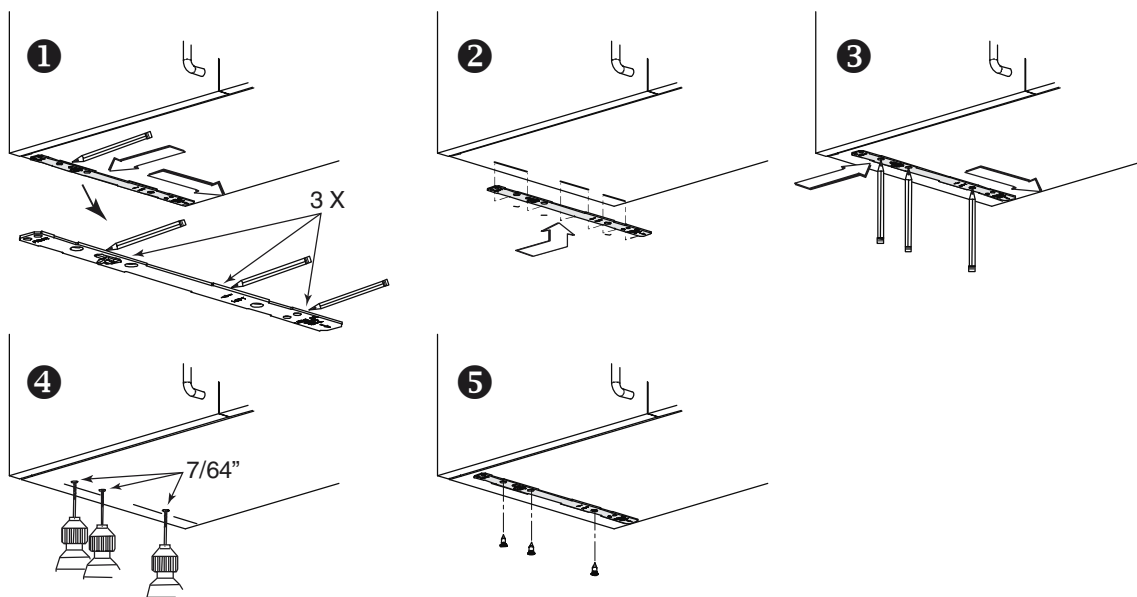


- ❶ Mate the corresponding bracket to the cabinet side frame, while placing rear end of bracket against the wall. Use a pencil to mark 3 holes (there are 6 holes but only 3 are necessary).
- ❷ Remove the bracket. Using a 7/64" drill bit, drill 3 holes where marked.
- ❸ Assemble the bracket to the side frame using a Phillips screwdriver and 3 provided no. 8 x 5/8" wood screws. Repeat for the other side frame.

FRAMELESS CABINET



Refer to the marking on brackets to determine the correct installation side and orientation.

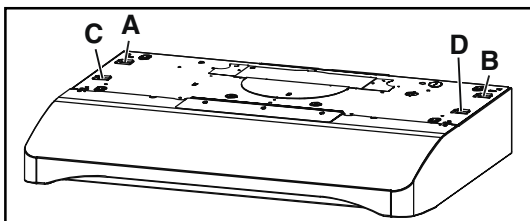


- ❶ Align the corresponding bracket to the cabinet side, while placing rear end of bracket against the wall. Draw a line on the outer edge of the bracket (as shown).
- ❷ Slide the bracket towards the center of cabinet and align outside edge of the bracket to marked line, keeping the rear end edge leaning on the wall.
- ❸ Use a pencil to mark 3 holes.
- ❹ Remove the bracket. Using a 7/64" drill bit, drill 3 holes where marked.
- ❺ Assemble the bracket to the cabinet bottom using a Phillips screwdriver and 3 provided countersunk wood screws. Repeat for the other cabinet side.

Install the Hood (EZ1 Brackets)

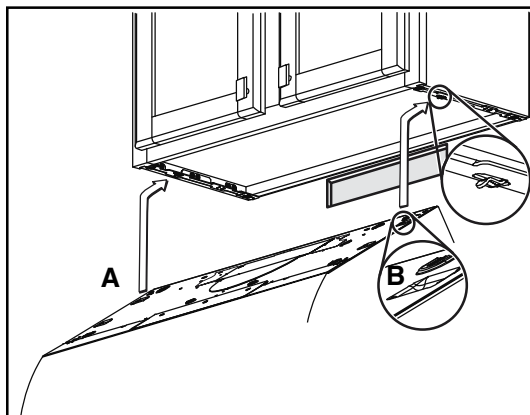
NOTE: The following procedure applies to both frame or frameless cabinet installations.

- 1] Run house power cable between service panel and hood location.
- 2] There are 2 pairs of recessed holes on each side of the top of the hood (on rear: **A** and **B**, on front **C** and **D** on illustration below); these holes allow the range hood to hang on the brackets (previously installed).



HORIZONTAL EXHAUST INSTALLATION ONLY

- 3] Temporarily hang the hood on the brackets using its (2) recessed REAR HOLES (**A** and **B**). **While holding the hood**, run the house power cable into the hood through the strain relief previously installed in step 6 on page 11.



- 4] Unhook the rear holes from the brackets and hang the hood using its (2) recessed FRONT HOLES (**C** and **D**). **While holding the hood**, go to step 6.

VERTICAL EXHAUST INSTALLATION AND NON-DUCTED INSTALLATION ONLY

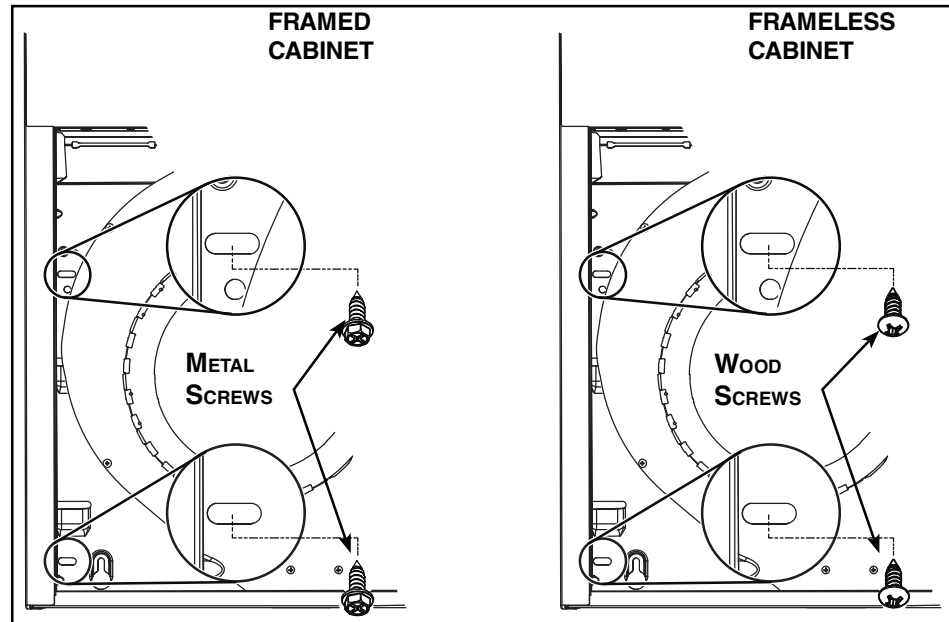
- 5] Hang the hood on the brackets using the (2) recessed FRONT HOLES (**C** and **D**). **While holding the hood**, tighten an appropriate strain relief, 1/2" diameter (not included) to the power cable, then insert the strain relief in the knockout hole.

DUCTED INSTALLATION ONLY

- 6] Connect ductwork to hood and use metal foil duct tape to make joints secure and air-tight. Make sure the damper assembly (or round duct plate) enters the ductwork and that the damper opens and closes freely.

NOTE: See final installation steps on next page.

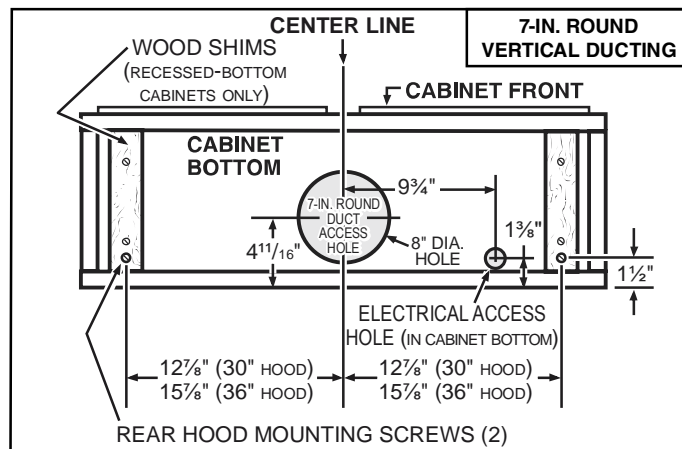
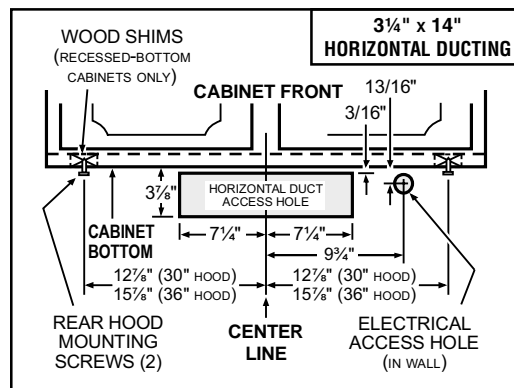
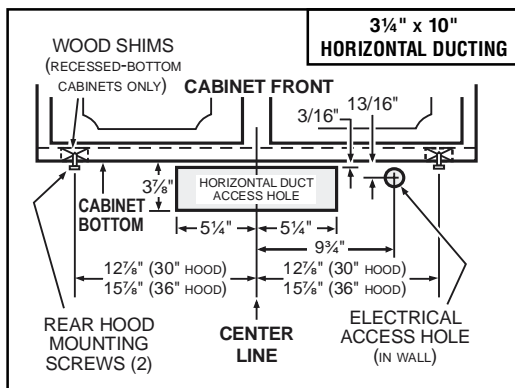
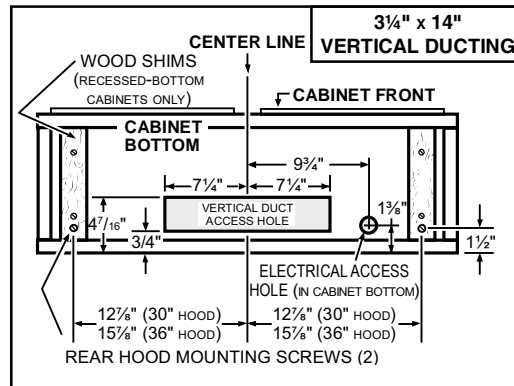
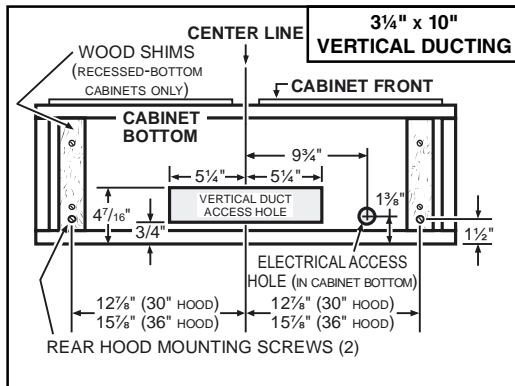
- 7] **For framed cabinet**, secure the hood to the EZ1 brackets using four (4) no. 8-18 x 1/2" metal screws with washers (screws and washers included in parts bag). Insert two (2) screws and washers per side, in the slots (as shown in insets on illustration below).
- 8] **For frameless cabinet**, secure the hood to the cabinet using four (4) no. 8 x 5/8" round head wood screws (screws and washers included in parts bag). Insert two (2) screws and washers per side, in the slots (as shown in insets on illustration below).



- 9] Attach power cable to the hood using the strain relief.

Standard Installation (without EZ1 brackets)

- 1] Use the proper diagram below for placement of ductwork and electrical cutout in cabinet or wall. For a non-ducted installation, DO NOT cut a duct access hole, only cut the hole for electrical wiring.

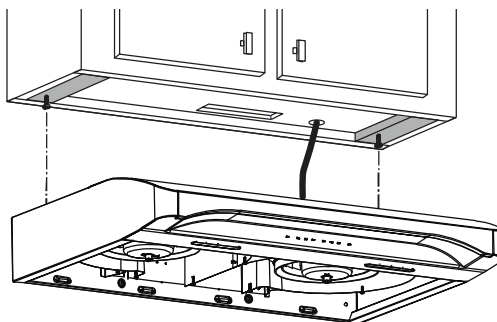


- 2] Install part-way two (2) ROUND HEAD no. 8 x 5/8" mounting screws into shims/cabinet, according to the proper diagram above, the other 2 ROUND HEAD no. 8 x 5/8" mounting screws will be used later. (Mounting screws are included in parts bag, but wood shims and shim mounting screws are not included.)

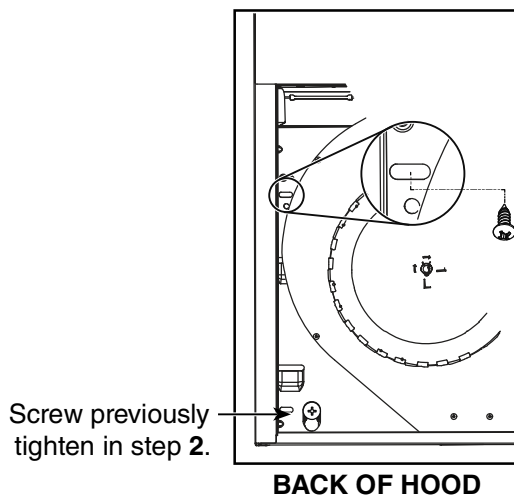
Install the Hood (Standard Installation)

NOTE: Two installers are recommended because of the weight of this hood.

- 1] Run house power cable between service panel and hood location. For hood with power cable access located on back of hood, run the house power cable into the hood through the strain relief previously installed in step 6 on page 11. For hood with power cable access located on top, tighten the strain relief to the power cable before inserting the strain relief in the knockout hole.
- 2] Hang hood from (2) rear mounting screws previously installed. Slide hood back towards wall until mounting screw heads are engaged in narrow end of keyhole slots in top of hood. Tighten screws securely and maintain a hold on the hood until completing step 3.



- 3] Secure the hood to the cabinet using two (2) no. 8 x 5/8" round head wood screws and washers (screws and washers included in parts bag). Insert one (1) screw and washer per side, in the slots (as shown below). Attach power cable to the hood using the strain relief.



DUCTED INSTALLATION ONLY

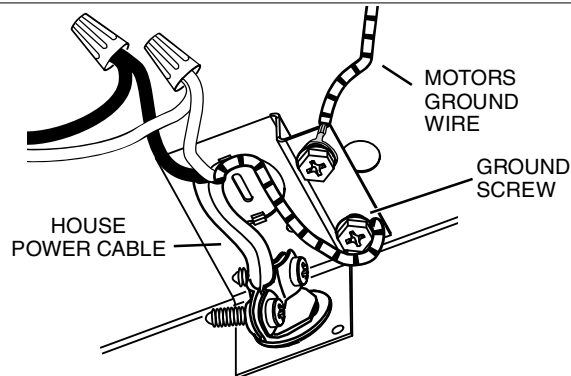
- 4] Connect ductwork to hood and use metal foil duct tape to make joints secure and air-tight. Make sure the damper assembly (or round duct plate) enters the ductwork and that the damper opens and closes freely.

Connect the Wiring

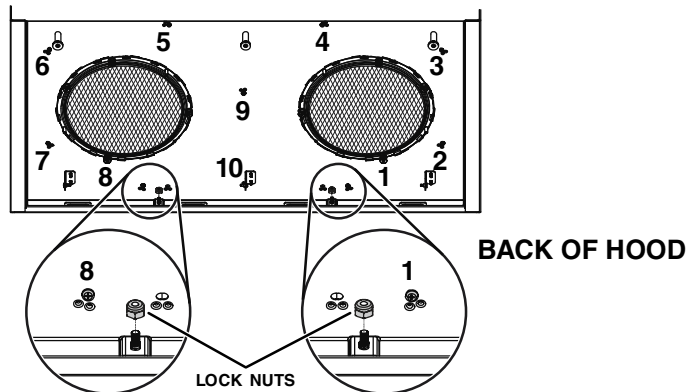
WARNING



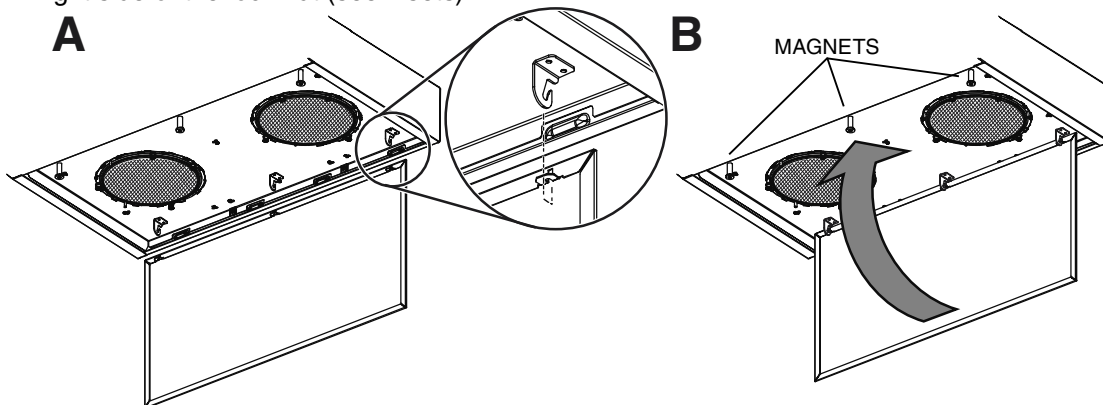
Risk of electric shock. Electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards. Before connecting wires, switch power off at service panel and lock service disconnecting means to prevent power from being switched on accidentally.



- 1] Connect House Power Cable to range hood wiring: BLACK to BLACK, WHITE to WHITE and GREEN or bare wire under GREEN ground screw.

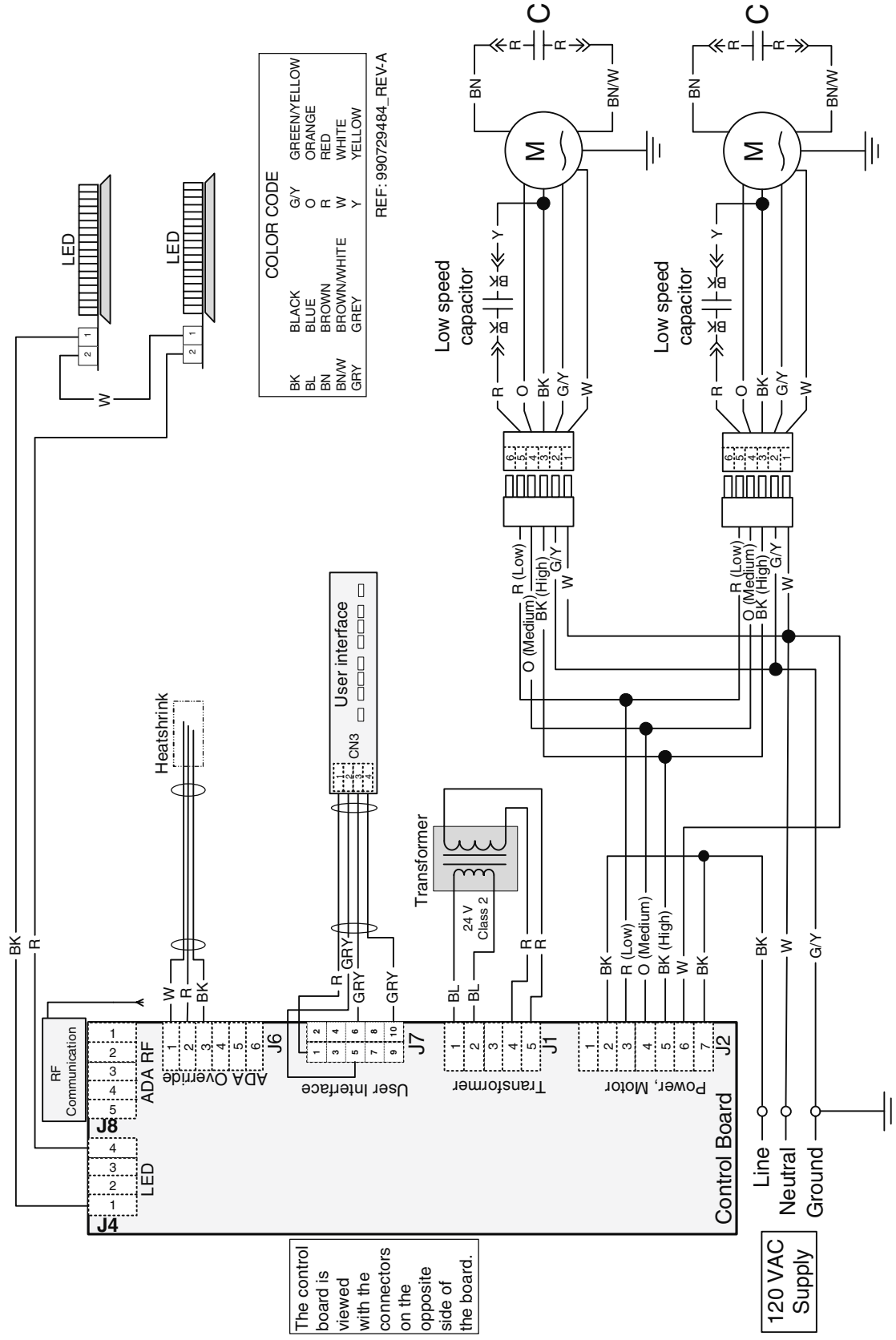


- 2] Reinstall the blowers cover plate using both lock nuts and 10 screws previously removed in step 4 on page 10. Pay attention to screw 1 and screw 8 location; from back of hood point of view, screw 8 must be located on left side of the lock nut and screw 1 must be located on right side of the lock nut (see insets).

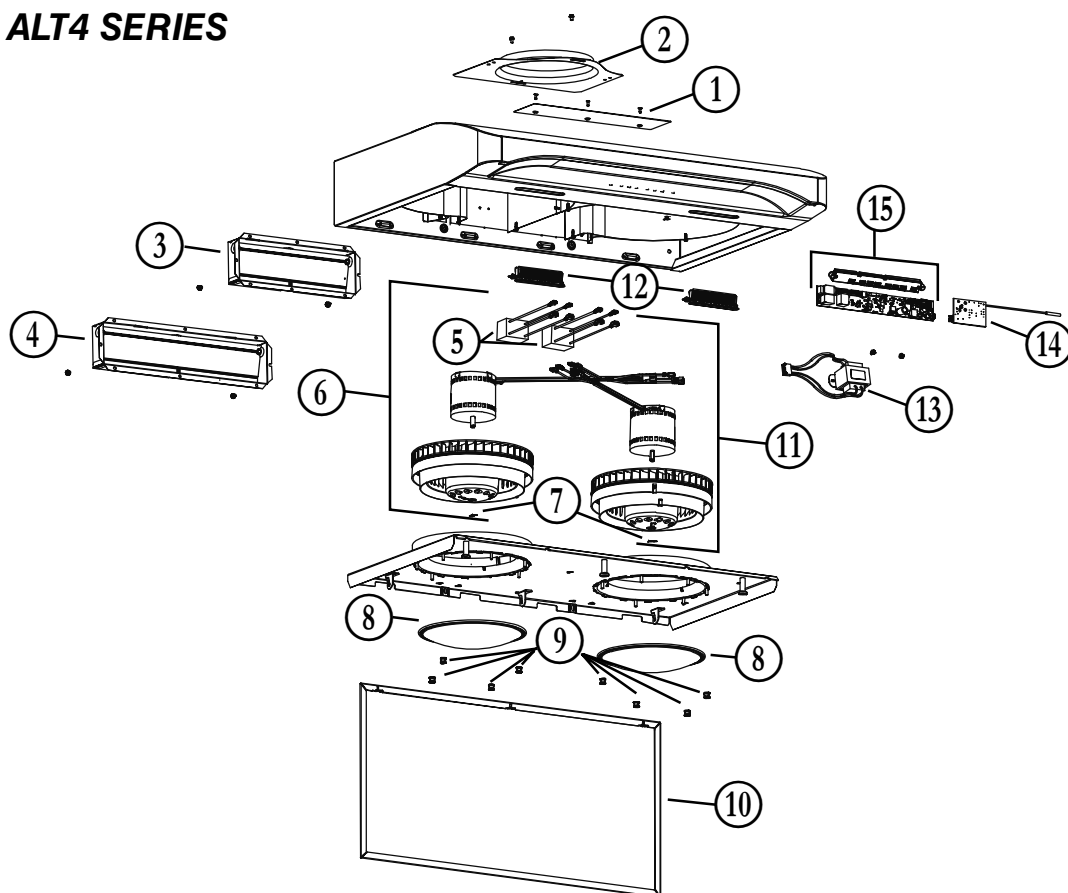


- 3] Reinstall the decorative panel to the hood by hanging it back on its 3 hooks (A), then tilt it until it reaches the 3 magnets on blowers cover (B).

WIRING DIAGRAM



ALT4 SERIES



KEY NO.	PART NO.	DESCRIPTION	QUANTITY	
			30"	36"
1	S97020031	RECIRCULATION COVER PLATE, STAINLESS STEEL (INCL. SCREWS)	1	1
2	SR680508	7" ROUND DUCT PLATE (INCLUDING SCREWS)	1	1
3	S97020534	3 1/4" x 10" DAMPER ASS'Y (INCLUDING SCREWS)	1	1
4	S97020469	3 1/4" x 14" DAMPER ASS'Y (INCLUDING SCREWS)	1	1
5	S97021325	CAPACITOR (INCLUDING TIE WRAP)	2	2
6	S97021328	BLOWER ASS'Y CW (INCLUDING ITEMS 5, 7 AND HARDWARE)	1	1
7	SR99420635	CLIP FOR FANPELLER	2	2
8	S99010452	GREASE FILTER - PERIPHERAL -TYPE H2 (SET OF 2)	1	1
9	S99400093	BUSHING (SET OF 8)	1	1
10	S98011856-002	DECORATIVE PANEL	1	
	S98011856-003	DECORATIVE PANEL		1
11	S97021329	BLOWER ASS'Y CCW (INCLUDING ITEMS 5,7 AND HARDWARE)	1	1
12	S97020444	LED MODULE (PAIR)	1	1
13	S97021392	TRANSFORMER KIT, 24 V 18 VA (WITH SCREWS)	1	1
14	S97020442	RF RECEIVER BOARD	1	1
15	S97020441	INFRARED SENSING CONTROL	1	1
*	S97020454	WIRE HARNESS	1	1
*	S97020360	PARTS BAG INCLUDING: 4 METAL SCREWS NO. 8-18 x 1/2", 6 ROUND HEAD NO. 8 x 5/8" WOOD SCREWS, 6 NO. 8 x 1/2" COUNTERSUNK WOOD SCREWS	1	1
*	S99010451	NON-DUCTED FILTER - TYPE XH (PAIR) (NON-DUCTED INSTAL. ONLY)	1	1
*	S97020470	EASY INSTALL KIT (INCLUDING HARDWARE)	1	1

* ITEM NOT SHOWN.

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.

Limited Warranty

Warranty Period and Exclusions: 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). For Range Hood Product that includes built-in LED modules, the Company warrants the LED modules and driver to be free from material defects for a period of three (3) years from the date of purchase. 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.