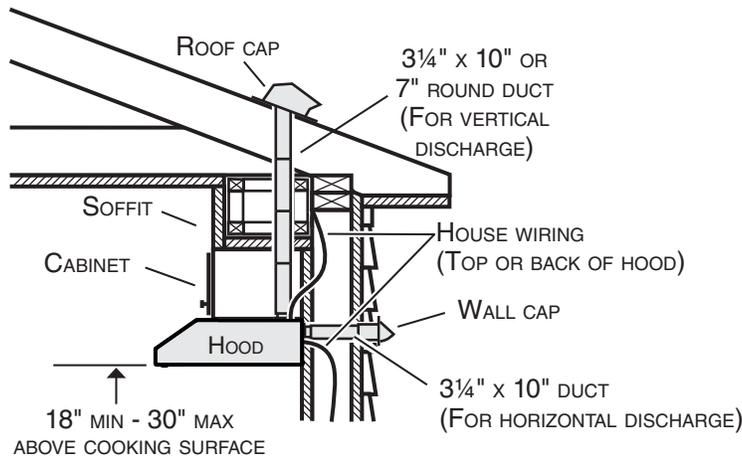


For ADA compliance installation guidelines, please visit www.broan-nutone.com

Recommended Tools and Accessories for Installation

- Measuring tape
- Phillips screwdriver no. 2
- Nut driver or socket 11/32"
- Flat blade screwdriver (to open knockout holes)
- Drill, 1/8" drill bit and 1 1/2" hole saw (to mark holes for ducting and cut electrical access hole)
- 7/64" drill bit (to drill holes for EZ1 brackets mounting screws)
- 7" round duct plate, not included with BPDC Series (for 7" round vertical ducting installation, part no.: SR680508)
- Wood shims (2) and wood screws (4) (required for standard installation to framed cabinet)
- Saw (to cut holes for ducted application)
- Sheet metal shears (ducted installation only, for duct adjustment)
- Pliers (ducted installation only, for duct adjustment)
- Metal foil duct tape (for ducted applications)
- Scissors (to cut metal foil duct duct tape)
- Pencil
- Wire stripper
- Strain relief, 1/2" diameter (to secure house wiring cable to the hood)

Install Ductwork (Ducted Installations Only)



NOTE: Distances over 30" are at the installer and user discretion.

- 1] Determine whether hood will discharge vertically (3 1/4" x 10" or 7" round), or horizontally (3 1/4" x 10" only).
- 2] Decide where the ductwork will run between the hood and the outdoors.
- 3] Choose a straight, short duct run to 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. When possible, use at least 2-foot straight runs before any turns. Larger ductwork may be required for best performance with longer duct runs.

NOTE: To use 6" round ducting, install a 3 1/4" x 10" to 6" round transition (not included). The performances may be affected.

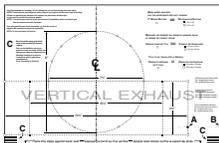
- 4] Install wall cap or roof cap (sold separately); ensure there is no leak in house insulation. Connect metal ductwork to cap and work back towards the hood location. Use 2" metal foil duct tape to seal the joints between ductwork sections.

Contents

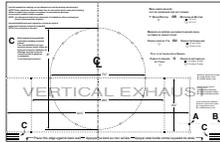
Before proceeding to the installation, check the contents of the box. If items are missing or damaged, contact the manufacturer.

Make sure that the following items are included:

BPDC1 Series

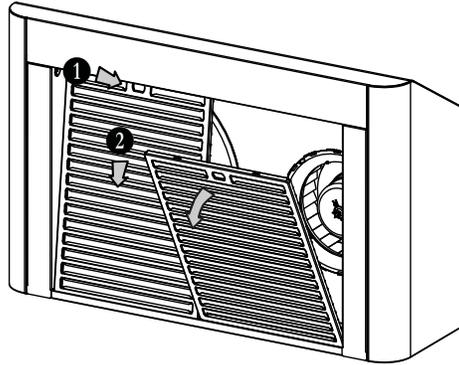
	
(2) GREASE FILTERS	(2) SHIELDED HALOGEN BULBS (50W, GU10)
	
(1) 3 1/4" x 10" DAMPER ASSEMBLY (FIND INSIDE OF HOOD)	
EZ1 COMPONENTS	
	(1) TEMPLATE FOR DUCTING (PRINTED BOTH SIDES)
	(2) INSTALLATION BRACKETS* FOR FRAMED CABINET
	(2) INSTALLATION BRACKETS* FOR FRAMELESS CABINET
* FIND EZ1 BRACKET ATTACHED INSIDE OF HOOD	
(1) PARTS BAG** CONTAINING:	
	(4) No. 8-18 x 1/2" METAL SCREWS
	(6) No. 8 x 1/2" COUNTERSUNK WOOD SCREWS
	(6) No. 8 x 5/8" RD. HD. WOOD SCREWS
	(1) BULB SUCTION CUP TOOL
** FIND PARTS BAG INSIDE OF HOOD	

BPDP1 and NPDP1 Series

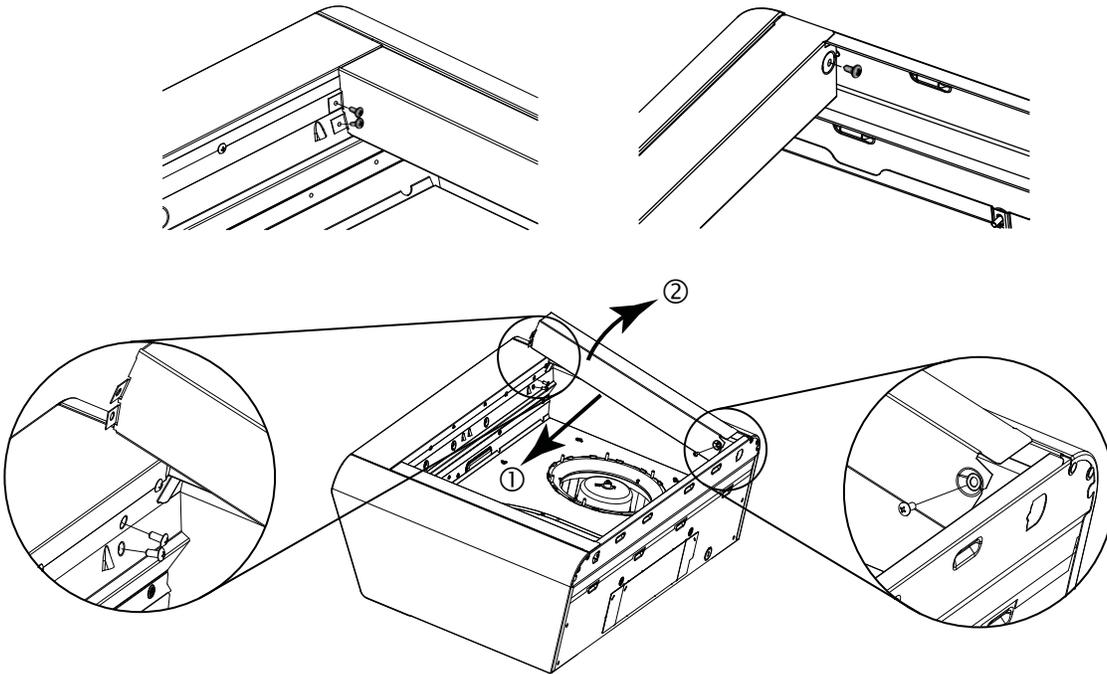
	* FIND INSIDE ONE PACKAGING STYROFOAM OF HOOD		
(2) GREASE FILTERS	(1) 3 1/4" x 10" DAMPER ASSEMBLY*	(1) 7" ROUND DUCT CONNECTOR	
EZ1 COMPONENTS			
		(1) TEMPLATE FOR DUCTING (PRINTED BOTH SIDES)	
		(2) INSTALLATION BRACKETS** FOR FRAMED CABINET	
		(2) INSTALLATION BRACKETS** FOR FRAMELESS CABINET	
** FIND EZ1 BRACKETS ATTACHED INSIDE OF HOOD			
(1) PARTS BAG*** CONTAINING:			
		(4) No. 8-18 x 1/2" METAL SCREWS	
	(6) No. 8 x 5/8" RD. HD. WOOD SCREWS		(6) No. 8 x 1/2" COUNTERSUNK WOOD SCREWS
*** FIND PARTS BAG INSIDE OF HOOD			

Prepare the Hood

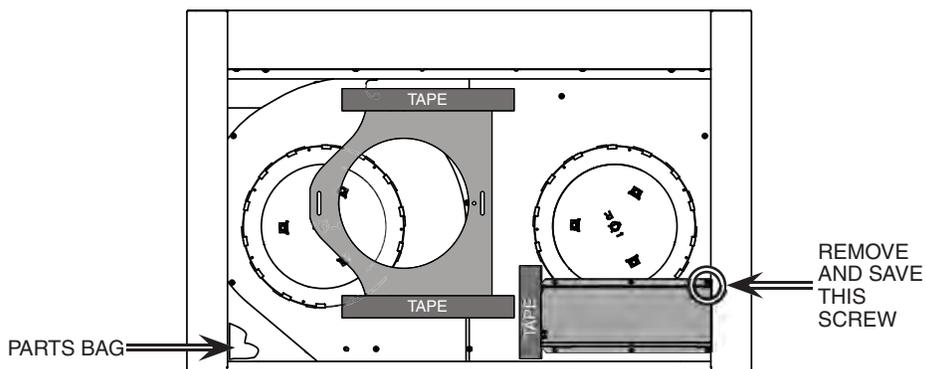
- 1] If present, remove all protective polyfilm from the hood and/or parts.
- 2] Using the finger cup, remove the grease filters from the hood by pushing down ❶ and tilting filters out ❷.



- 3] Remove both filters by removing the 3 screws holding each one of them. Slide each one towards the center of the hood and tilt it up to remove it completely. Set the filters and screws aside.

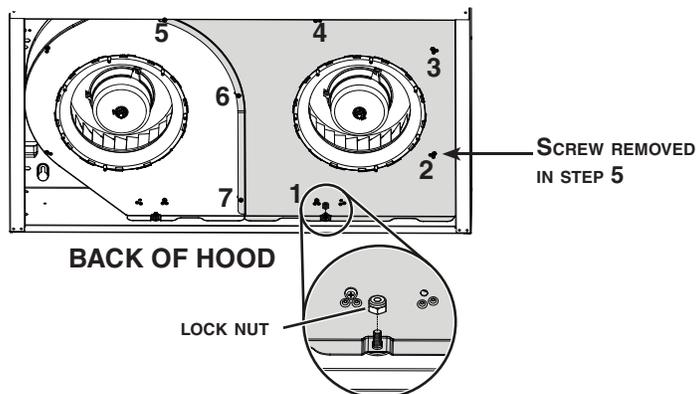


- 4] Remove both tape strips holding the 7" round adapter (not included with BPDC Series), and put the adapter aside.
- 5] Remove the screw holding the 3¼" x 10" adapter/damper and put the adapter/damper aside. **Save this screw, it will be used later to hold the cover plate.**
- 6] Remove the parts bag taped in the lower left corner of the hood.

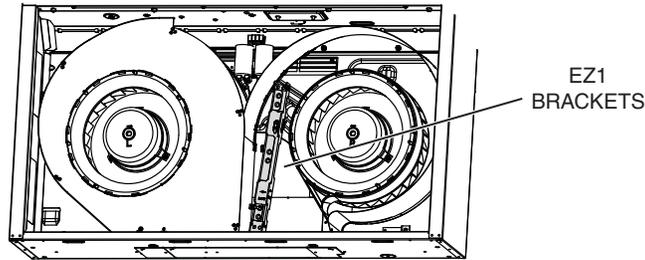


- 7] Using a 11/32" nut driver or socket, remove the lock nut retaining the flange of the right cover plate (shaded part on illustration below) to the inner back of hood (see inset). Remove the right cover plate retaining screws (7 screws), then set the blower cover along with its screws and nut aside.

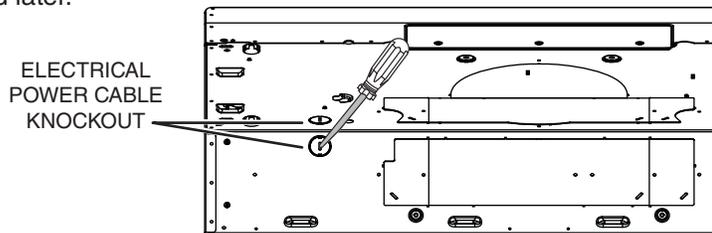
NOTE: For 30 in.-wide hoods, slightly lift up the cover plate before sliding it towards the left to remove it.



- 8] Remove the EZ1 brackets from inside the hood by cutting off the tie wrap. Discard the tie wrap.

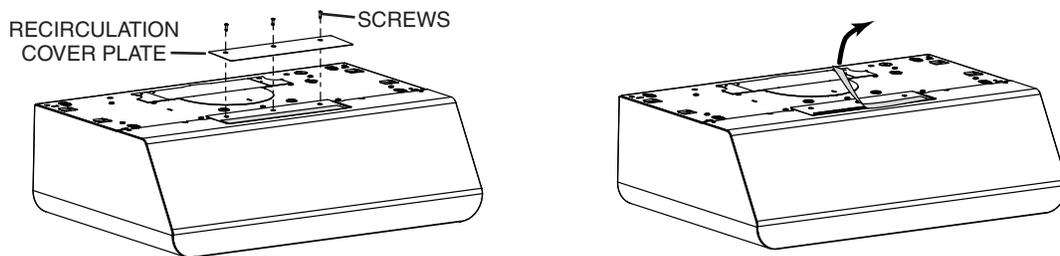


- 9] Remove Electrical Power Cable Knockout from top (vertical wiring) or back (horizontal wiring) of hood. For knockout removed from back of hood, install an appropriate strain relief, 1/2" diameter (not included). For knockout removed from top of hood, the strain relief will be installed later.



NON-DUCTED INSTALLATION ONLY

- 10] Remove the 3 screws retaining the recirculation cover plate to the hood. Discard this plate with its screws.
- 11] Peel off and discard the membrane covering the recirculation grille, ensuring the openings are totally cleared.



DUCTED INSTALLATION ONLY

- 10] Remove 3¼" x 10" vertical, 3¼" x 10" horizontal (both are the rectangular **central** knockout plates, see hatched areas) or 7-inch round knockout plate as appropriate for your ducting method (see **FIGURES 1 A** and **1 B**).

FIGURE 1 A

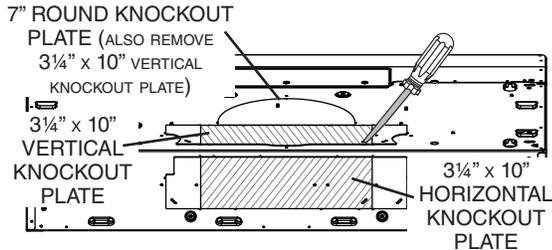
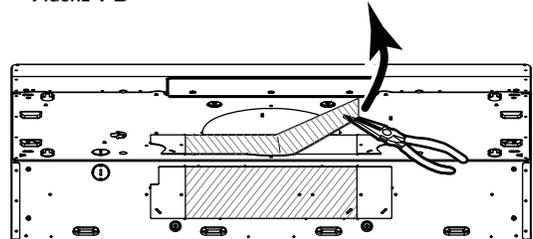


FIGURE 1 B



- 11] Using the screws located on top of the hood (**FIGURE 2**), attach the 3¼" x 10" Damper Assembly on top OR back of hood (if using 3¼" x 10" duct; shaded part in **FIGURE 3 A** below) or 7" Round Duct Plate (if using 7-inch round duct, **FIGURE 4**) over the knockout opening. When installed, the 3¼" x 10" damper assembly must open as shown in **FIGURE 3 B**.

FIGURE 2

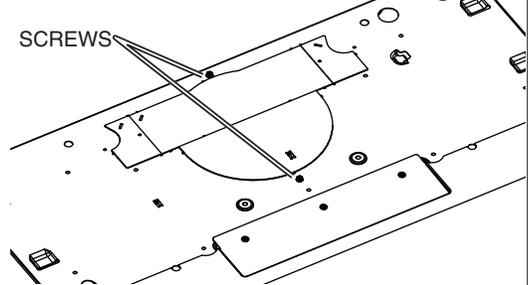


FIGURE 3 A

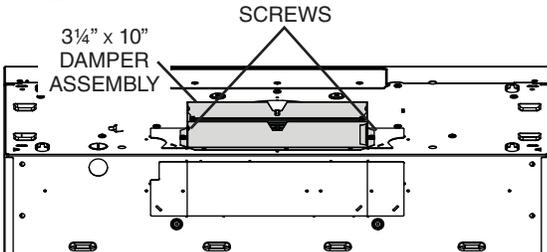


FIGURE 3 B

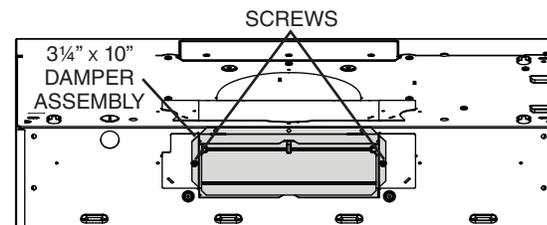
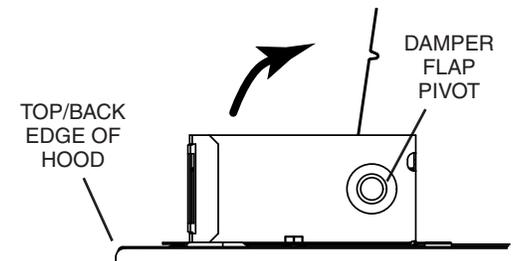
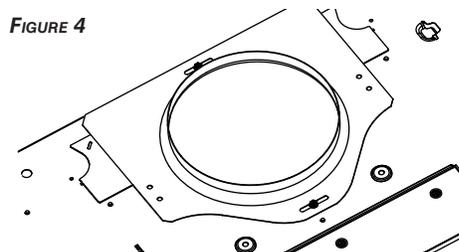


FIGURE 4



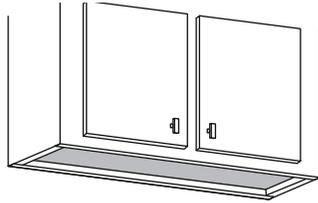
NOTE: To accommodate off-center ductwork, the 7" round duct plate can be installed up to 1/2" on either side of the hood center.

TIP: Insert a small length of duct over the 3¼" x 10" damper assembly (for rectangular ducting) or 7" round (for round ducting) and seal the joint using aluminum foil duct tape to ease connection with the house ductwork.

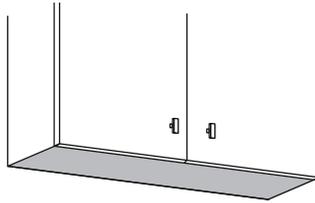
Prepare the Hood Location

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



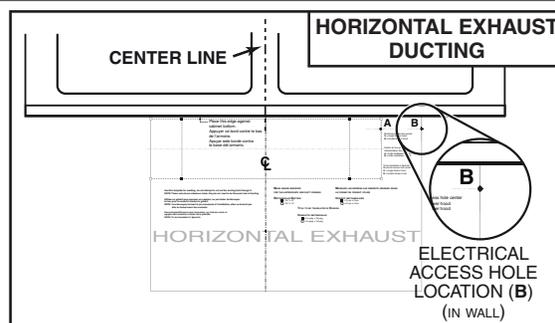
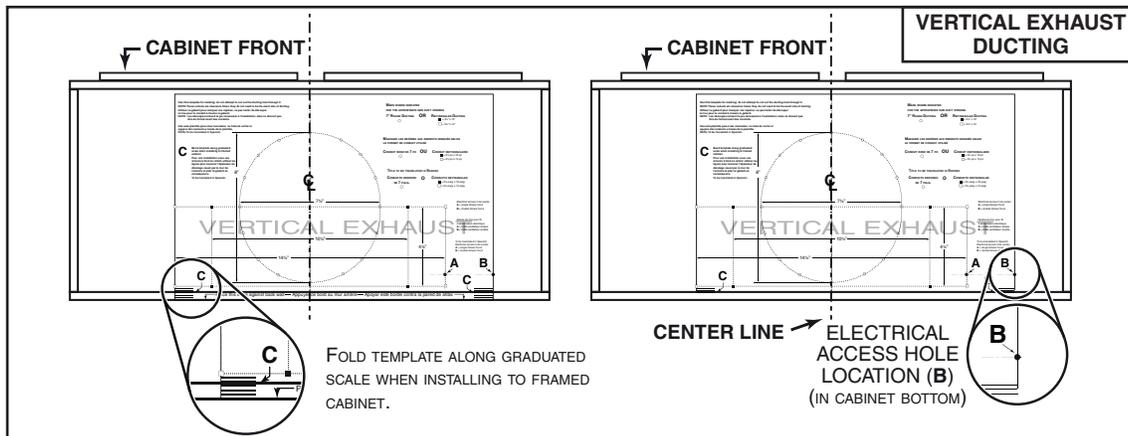
This manual covers 2 kinds of installation: the standard (without EZ1 brackets) and the EZ1 one-person installation system (using included template and brackets). For the standard installation, go to page 18.

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.

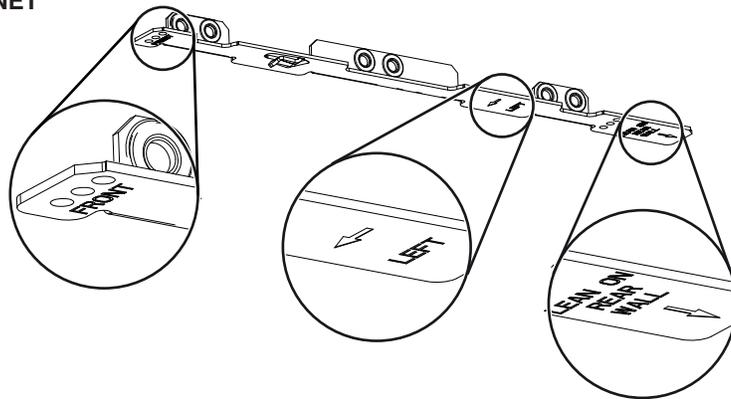
- 1] Use the proper template for vertical OR horizontal discharge (included) for placement of ductwork and electrical cutout in cabinet or wall. For a non-ducted installation, DO NOT cut a duct access hole, only cut the hole for electrical wiring. **If replacing a hood and plan to use the existing duct 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.

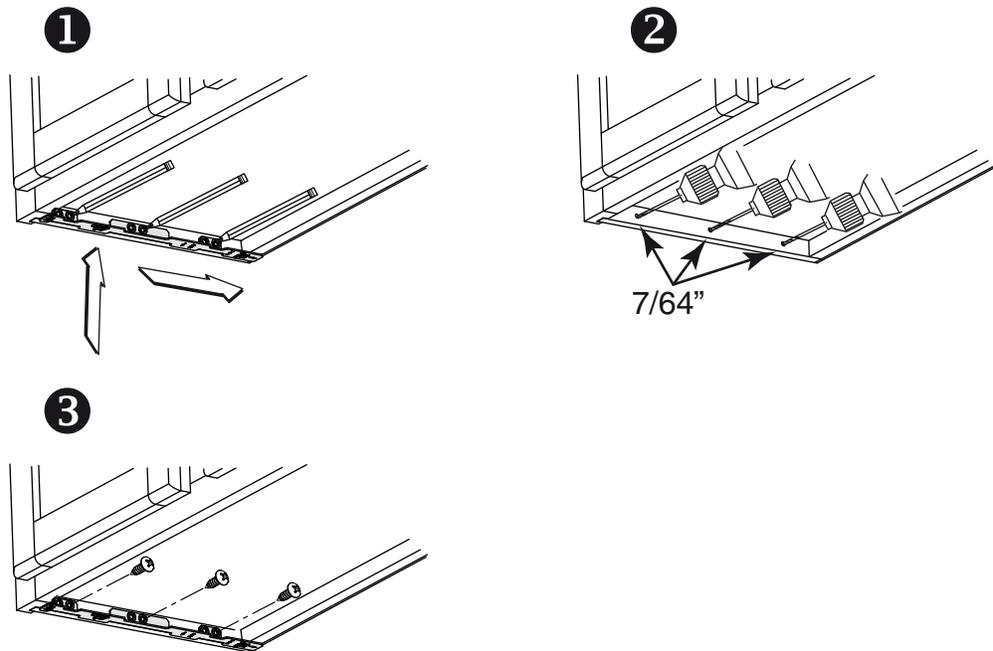


- 4] Drill a 1/8" dia. pilot hole for house wiring, at **B** location on template.
- 5] Use a sharp pencil or 1/8" drill bit to mark the locations for the appropriate duct access holes (16 locations for 7" round duct, or 4 corner locations for rectangular duct). Remove the template.
- 6] Draw the border 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

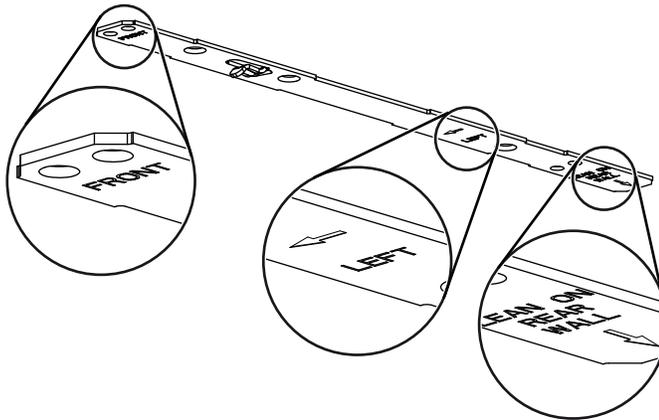


Refer to the marking on brackets to determine the correct installation side and orientation.

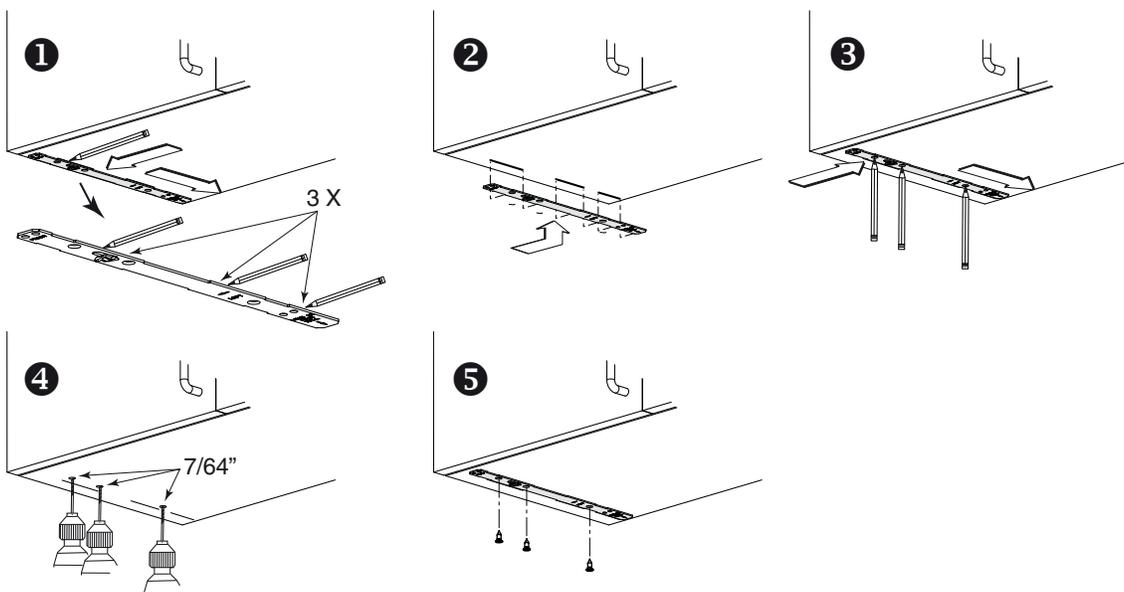


- 1] Mate the corresponding bracket to the cabinet side frame, while placing rear end of bracket against the wall. Use a pencil to mark 3 holes (there are 6 holes but only 3 are necessary).
- 2] Remove the bracket. Using a 7/64" drill bit, drill 3 holes where marked.
- 3] Assemble the bracket to the 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.

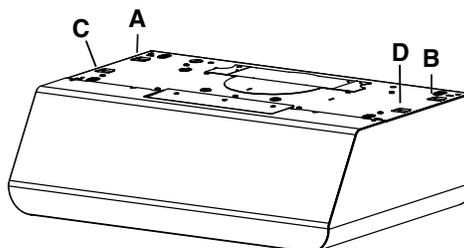


- 1 Align the corresponding bracket to the cabinet side, while placing rear end of bracket against the wall. Draw a line on the outer edge of the bracket (as shown).
- 2 Slide the bracket towards the center of cabinet and align outside edge of the bracket to marked line, keeping the rear end edge leaning on the wall.
- 3 Use a pencil to mark 3 holes.
- 4 Remove the bracket. Using a 7/64" drill bit, drill 3 holes where marked.
- 5 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 Bracket)

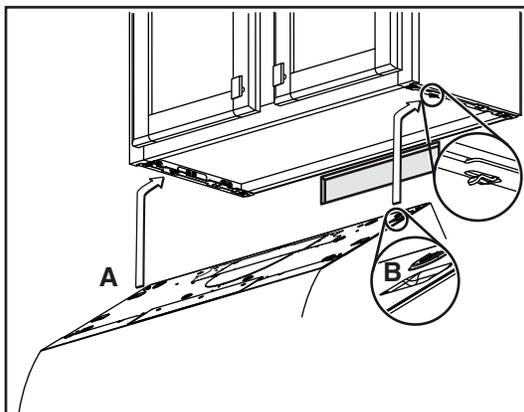
NOTE: The following procedure applies to both frame or frameless cabinet installations.

- 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 9 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

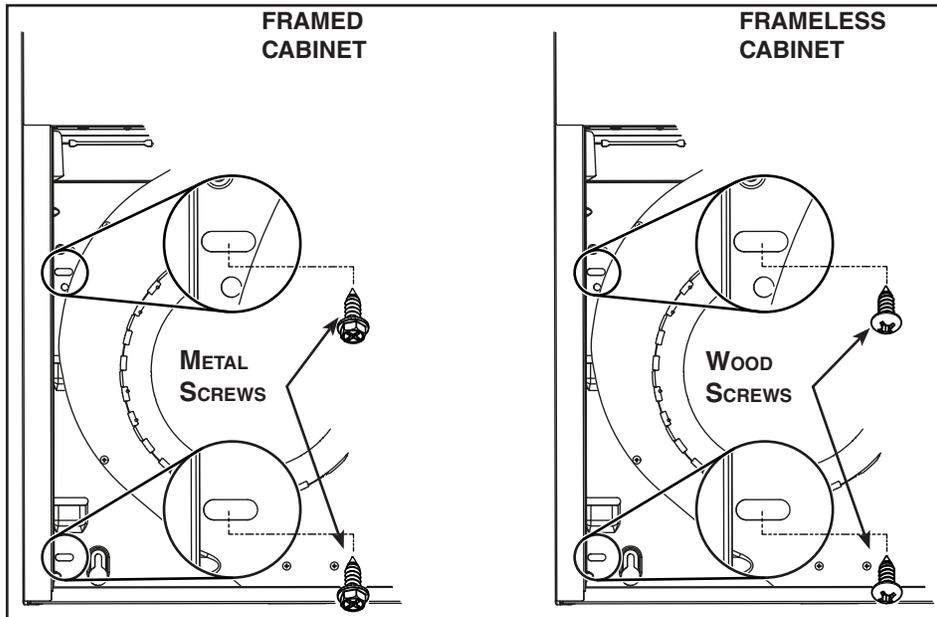
- 5] Hang the hood on the brackets using the 2 recessed FRONT HOLES (**C** and **D**). **While holding the hood**, tighten an appropriate strain relief, 1/2" diameter (not included) to the power cable, then insert the strain relief in the knockout hole.

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.

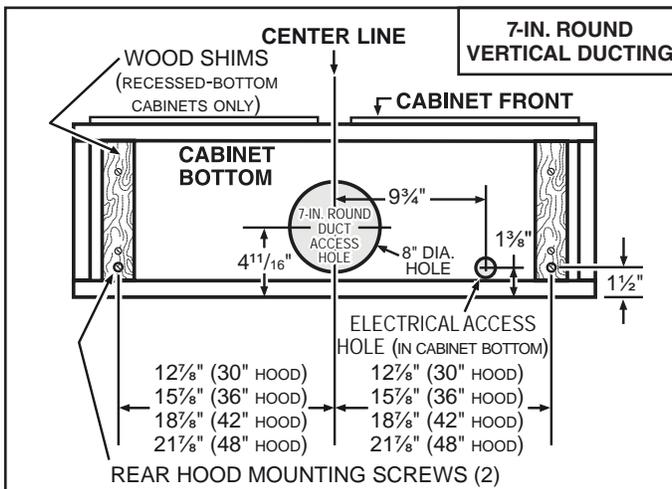
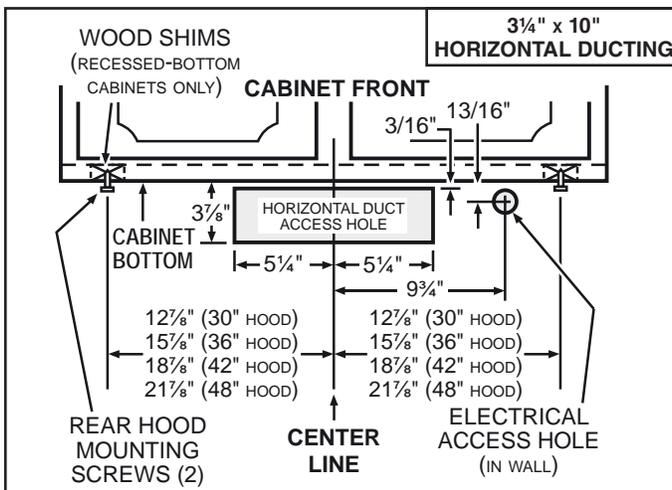
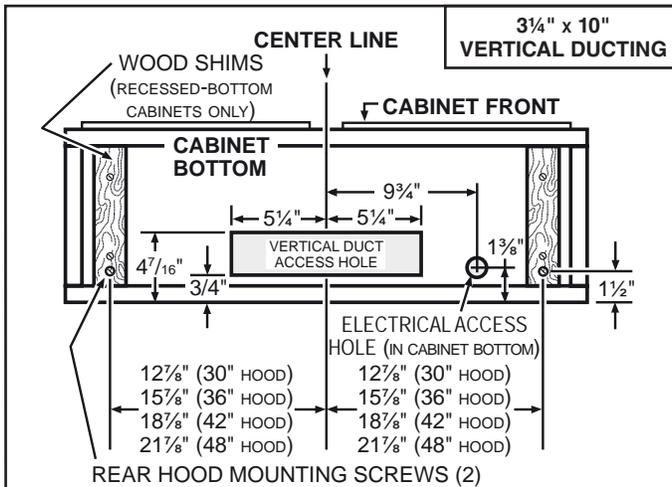
- 7] **For framed cabinet**, secure the hood to the EZ1 brackets using a 10" drill bit and 4 no. 8-18 x 1/2" metal screws (included in parts bag). Insert 2 screws per side, in the slots (as shown in inset on illustration below).
- 8] **For frameless cabinet**, secure the hood to the cabinet using a 10" drill bit and 4 no. 8 x 5/8" round head wood screws (included in parts bag). Insert 2 screws per side, in the slots (as shown in inset 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.

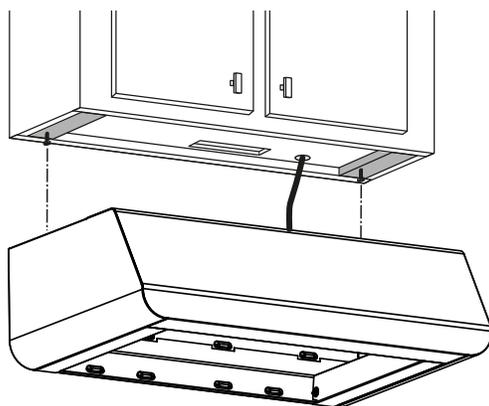


- 2] Install part-way 2 ROUND HEAD no. 8 x 5/8" mounting screws into shims/cabinet, according to the proper diagram above, the other 2 ROUND HEAD no. 8 x 5/8" mounting screws will be used later. Mounting screws are included in parts bag, but wood shims and shim mounting screws are not.

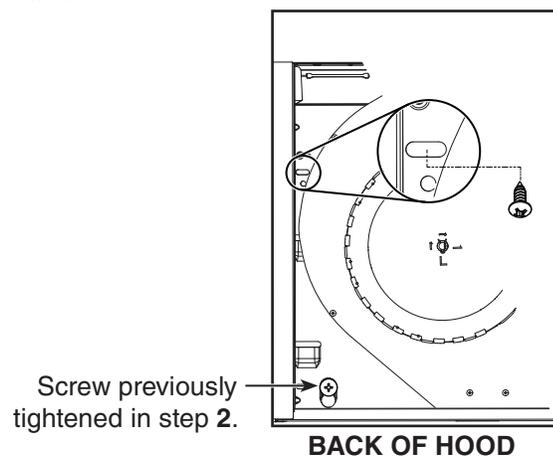
Install the Hood (Standard Installation)

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 9 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 2 no. 8 x 5/8" round head wood screws (included in parts bag). Insert 1 screw per side, in the slots (as shown below). Attach power cable to the hood using the strain relief.



DUCTED INSTALLATION ONLY

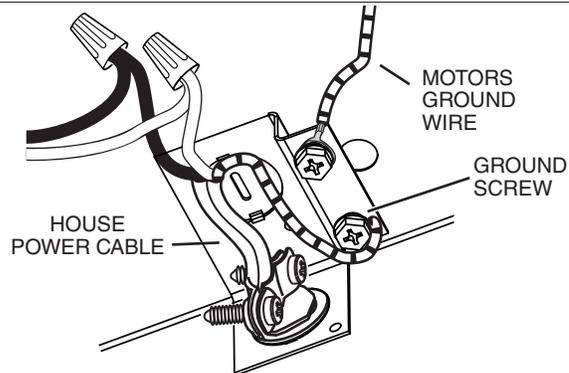
- 4] Connect ductwork to hood and use metal foil duct tape to make joints secure and airtight. Make sure that the damper assembly (or round duct plate) enters the ductwork and that the damper opens and closes freely.

Connect the Wiring

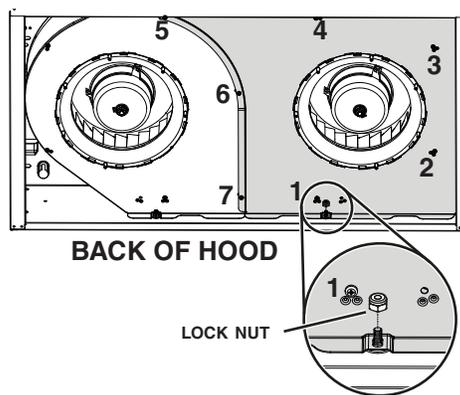
WARNING



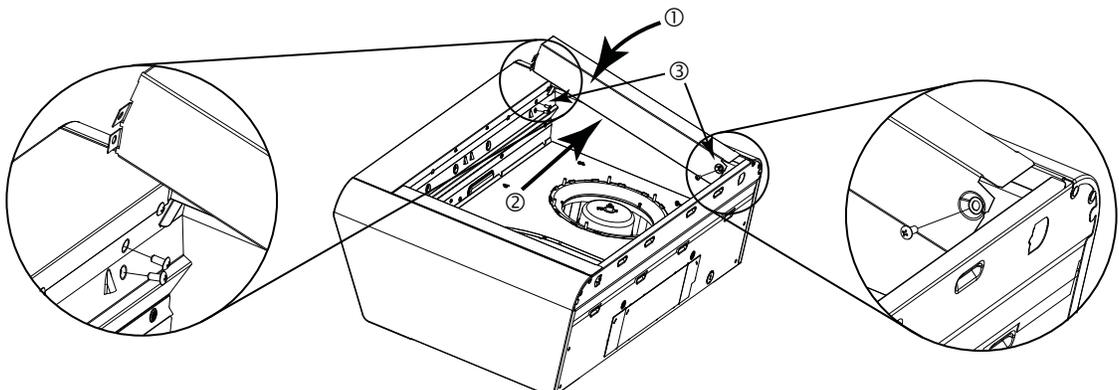
Risk of electric shock. Electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards. Before connecting wires, switch power off at service panel and lock service disconnecting means to prevent power from being switched on accidentally.



- 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 blower cover plate (shaded part on illustration below) using the lock nut and 7 screws previously removed in step 7 on page 10. Pay attention to screw 1 location; from back of hood point of view, it must be located on left side of the lock nut (see inset).



- 3] Reinstall the fillers by following steps as illustrated below.

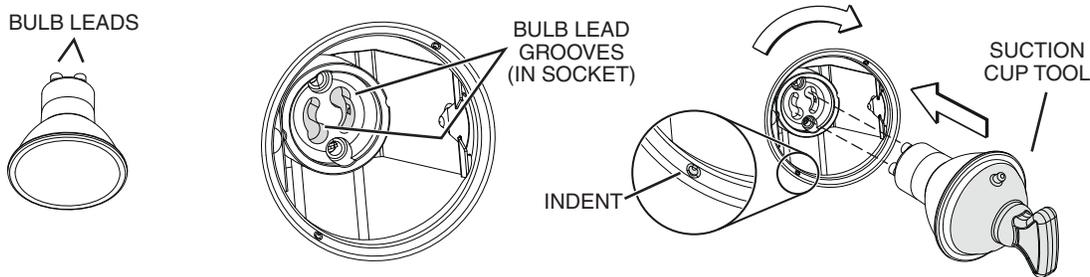


Halogen Light Bulbs (BPDC1 Series only)

The BPDC1 Series range hoods require two shielded Halogen Bulbs (120 V, 50 W max., MR16 or PAR16 with GU10 base), included.

WARNING

Do not touch lamps during or soon after operation. Burns may occur. In order to prevent the risk of personal injury, only install shielded halogen lamps. Also, never install a cool beam, a dichroic lamp, a lamp not suitable for use in recessed luminaires or identified for use in enclosed fixtures.



- 1] Align the bulb leads with the small indentations located on the border of the lamp location on hood (see inset above), then install the bulbs by placing the bulb leads into their grooves in the socket.
- 2] Gently push upwards and turn clockwise until secure.

NOTE: The Suction Cup Tool (included with hoods) can be used to install and remove light bulbs. Press suction cup tool on bulb and rotate counterclockwise to remove bulb or clockwise to install bulb.

CAUTION

Most GU10 LED replacement bulbs commonly found in the market are not designed for use in a cooking environment and might not perform as advertised. Their usage with this product is not recommended.

Install the Filters

Ducted Installation Only:

Re-install grease filters removed in step 2 , page 9, under “Prepare the Hood”

Non-ducted Installation Only:

Purchase two non-ducted filters from your local distributor or retailer (see product specification label for filter type). Attach the non-ducted filters following instructions packed with the non-ducted filters.