Venting Methods

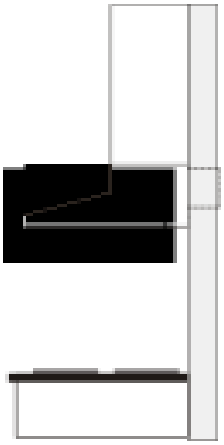
IMPORTANT:

- NEVER exhaust air or terminate duct work into spaces between walls, crawl spaces, ceiling, attics or garages. All exhaust must be ducted to the outside.
- Use metal/aluminum duct work only.
- Fasten all connections with sheet metal screws and tape all joints with certified Silver Tape or Duct Tape.
- Use caulking to seal exterior wall or roof opening around the cap.

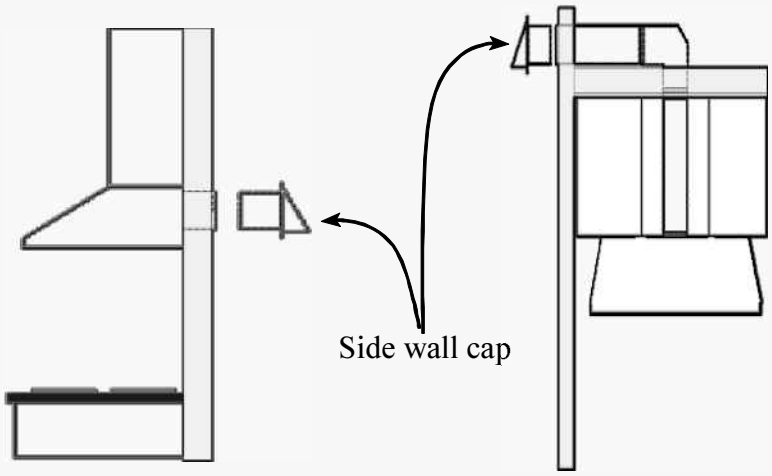
Venting Methods:

- Vent work can terminate either through the roof or wall. To vent through a wall, a 90° elbow may be needed.
- This range hood is factory set for vertical venting using round or rectangular vent adapter but can be converted to horizontal venting by swapping the round vent adapter on top with rectangular vent adapter behind the range hood as shown below:

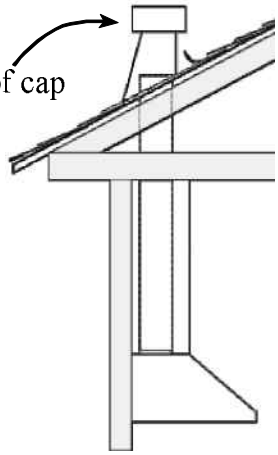
Option 1:
Recirculate venting
(available with 2000 Class only)



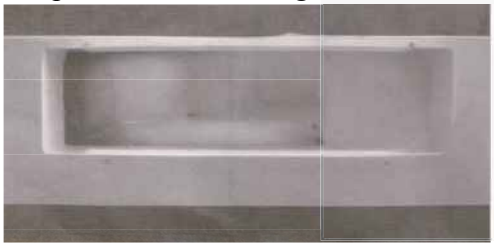
Option 2:
Horizontal wall venting



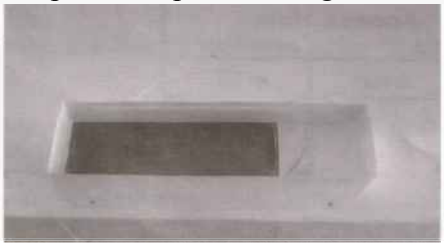
Option 3:
Vertical roof venting



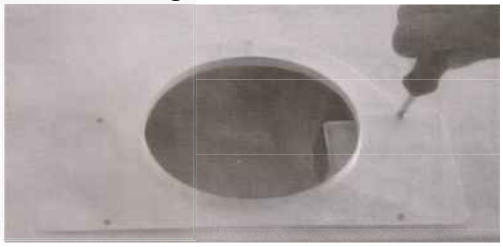
Type 1:
3-1/4 x 10-inch rectangular vent adapter behind the range hood.



Type 2:
3-1/4 x 10-inch rectangular vent adapter on top of the range hood.



Type 3:
6-inch round vent adapter on top of the range hood.



Charcoal Filter Installation

NOTE: The charcoal filters are preinstalled if you purchased the range hood with re-circulating kit from us.

1. Remove aluminum filters on hood.
2. Position the charcoal filter onto the motor and turn until it locks. Re-install aluminum filters.
3. Charcoal filters must be replaced after 120 hours of use (or approximately every 2 to 3 months based on the average of 1 to 2 hours of daily cooking time). Available at your local resellers.

Ductless Conversion

- Ductless conversion is intended for applications where an exhaust duct work is not possible to be installed. When converted, the hood functions as a purifying hood rather than an exhaust hood. Fumes and exhaust from cooking is drawn and filtered by a set of charcoal filters. The air is then purified and re-circulated back within the home.
- We recommend to ALWAYS exhaust air outside of the home by employing existing or installing new duct work, if possible. Only when the exhaust option is not possible should you recourse to converting the hood into a purifying unit.
- When converted to be a "purifying" unit, a set of charcoal filters and an air-diverter are required in addition to its standard aluminum filter set. Available at your local resellers. The standard aluminum filters are intended to capture residue from cooking, the optional charcoal filters help to purify fumes exhausted from cooking, and the optional air-diverter redirects filtered clean air back to the house.

Electrical Requirements

IMPORTANT: Observe all governing codes and ordinances.
(Please consult with a qualified electrician for 220-Volt 50 Hz voltage)

It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/ NFPA 70 — latest edition*, or CSA Standards C22. 1-94, Canadian Electrical Code, Part 1 and C22. 2 No. 0-M91 - latest edition** and all local codes and ordinances.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.
A 120-Volt, 60 Hz, AC-only, fused electrical supply is required on a separate 15-amp circuit, fused on both sides of the line.
DO NOT ground to a gas pipe.
Check with a qualified electrician if you are not sure that the range hood is properly grounded.
DO NOT have a fuse in the neutral or ground circuit.

IMPORTANT: Save this Installation Guide for electrical inspector's use.

The range hood must be connected with copper wire/plug only.
The range hood should be connected directly to the fused disconnect (or circuit breaker) box through flexible armored or non-metallic sheathed copper cable. A U.L. - or C.S.A. - listed strain relief must be provided at each end of the power supply cable.

Wire sizes (copper wire only) and connections must conform with the rating of the appliance as specified on the model/serial rating label. Wire sizes must conform to the requirements of the National Electrical Code ANSI/NFPA 70 — latest edition*, or CSA Standards C22. 1-94, Canadian Electrical Code Part 1 and C22. 2 No. 0-M91 - latest edition** and all local codes and ordinances. A U.L. - or C.S.A. - listed conduit connector must be provided at each end of the power supply cable (at the range hood and at the junction box).

Copies of the standards listed may be obtained from:

* National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269

** CSA International
8501 East Pleasant Valley Road
Cleveland, Ohio 44131-5575

Preparation

Advanced Preparations:

- Be familiar with the controls of the range hood by reading through ***Range Hood Operations***, Page 13-14.
- Place the range hood on a flat, stable surface. Connect the range hood to a designated standard outlet and turn on the range hood. Verify all operations of the range hood by referring to ***Range Hood Operations***, Page 13-14.
- Place all supplied parts and required hardware on a flat, stable surface and verify the existence of all supplied parts listed on Page 4.
- Carefully remove the white plastic protective coat from the range hood, if any.

WARNING
Excessive Weight
Require three or more person to move and install this range hood. Spinal or other bodily injuries could occur if it is not followed.

WARNING
Severe Injury
Rotating fan can cause severe injury. Stay clear of fan when motor is running.

Preparations:

NOTE: To avoid damage to your hood, prevent debris from entering the vent opening.

- Decide the location of the venting pipe from the hood to the outside. Refer to *Venting Methods* on Page 7.
- A straight, short vent run will allow the hood to perform more efficiently.
- Try to avoid as many transitions, elbows, and long run as possible. This may reduce the performance of the hood.
- IMPORTANT: Peel white plastic protective coat off the hood, if any.
- Use silver tape or duct tape to seal joints between pipe sections.
- For installing under the cabinet with recessed bottom, attach 4-inch wide wood filler strips (not provided) on each side. Refer to Figure 1.
- Using references in *Installation* on Page 10-12 and *Measurements and Diagrams* on Page 17-21, create access opening for electrical wires and hood exhaust under the cabinet.

CAUTION: If moving the cooking range is necessary to install the hood, turn OFF the power on an electric range at the main electrical box. SHUT OFF THE GAS BEFORE MOVING A GAS RANGE.

- Puncture the knockout holes (for mounting under the cabinet) on the hood as shown in Figure 2.
- If necessary, attach two rubber stands with 3M adhesive tapes to the back corners of the hood.

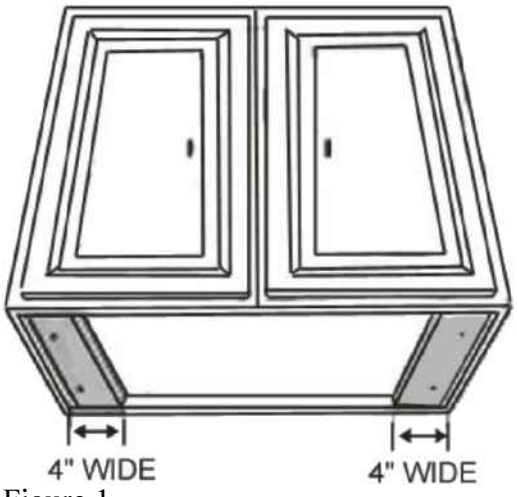


Figure 1


Figure 2

Installation

Installations (refer to Page 4 for parts)**:**
Measure the distance between stove top and the bottom of range hood. A distance of 27" to 30" is recommended*.
**Due to different ceiling height configurations, recommended height may not be applicable.*

1. You have ***two ways*** (A: Vertical Venting, or B: Horizontal Venting) to mount this range hood:
    1. Determine venting method as shown on Page 7 and proceed if you would like to vent vertically.
    2. Using references in *Height & Clearance* on Page 5-6, *Measurements and Diagrams* on Page 17-21, Figure 3 and Figure 4 on next page, determine and clearly mark a centerline on the bottom of the cabinet.
    3. Draw electrical wires through cabinet access opening on top of the range hood, center the hood beneath the cabinet and flush with the front of the cabinet.
    4. From inside of the hood, place hood mounting screws into the exact center of each knockout hole and secure to cabinet bottom. Finish tightening all screws until secure. Be careful when using electrical screwdriver, damage to the range hood may occur. Skip Part B below and proceed to Step 2.

    CAUTION: Make certain the range hood is secure before releasing!

    1. Determine venting method as shown on Page 7 and proceed if you would like to vent horizontally.
    2. Using references in *Height & Clearance* on Page 5-6, *Measurements and Diagrams* on Page 17-21, Figure 5 and Figure 6 on next page, determine and clearly mark a centerline on the wall.
    3. Punchure the knockout wire access hole and rear duct access hole on the back of the hood, draw electrical wires through the wire access hole and attach rectangular vent adapter.
    4. Draw electrical wires through the access opening on the wall behind the range hood (Figure 6), center the hood beneath the cabinet and flush with the front of the cabinet.
    5. From inside of the hood, place hood mounting screws into the exact center of each knockout hole and secure to the wall. Finish tightening all screws until secure. Be careful when using electrical screwdriver, damage to the range hood may occur.

    CAUTION: Make certain the range hood is secure before releasing!

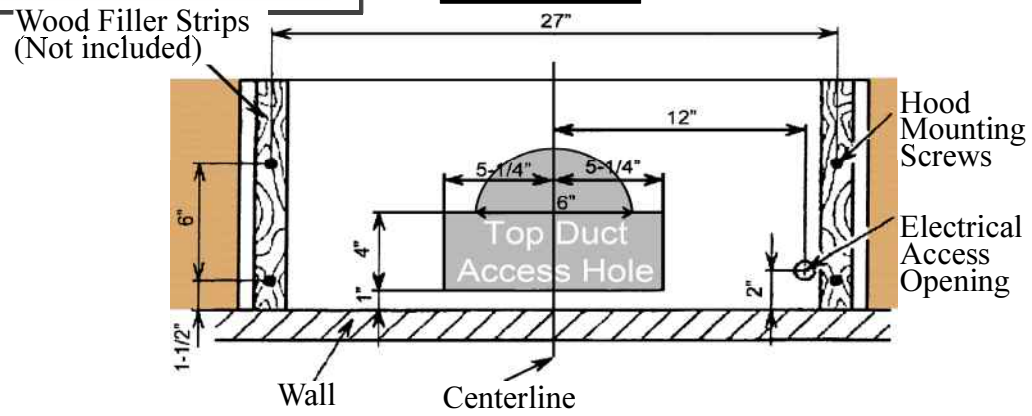
2. For safety purpose, pre-drilled mounting holes are provided through the back of the hood. For a more secure installation, use as many mounting holes as needed to secure from the inside of hood.
1. Use 6" round steel pipe (follow building codes in your area) to connect the exhaust on the hood to the ductwork above. Use silver tape or duct tape to make all joints secure and air tight. Refer to Figure 6.

SAFETY WARNING: Risk of electrical shock. this range hood must be properly grounded. Make sure this is done by qualified electrician in accordance with all applicable national and local electrical codes. Before connecting wires, switch power off at service panel and lock service panel to prevent power from being switched on accidentally.

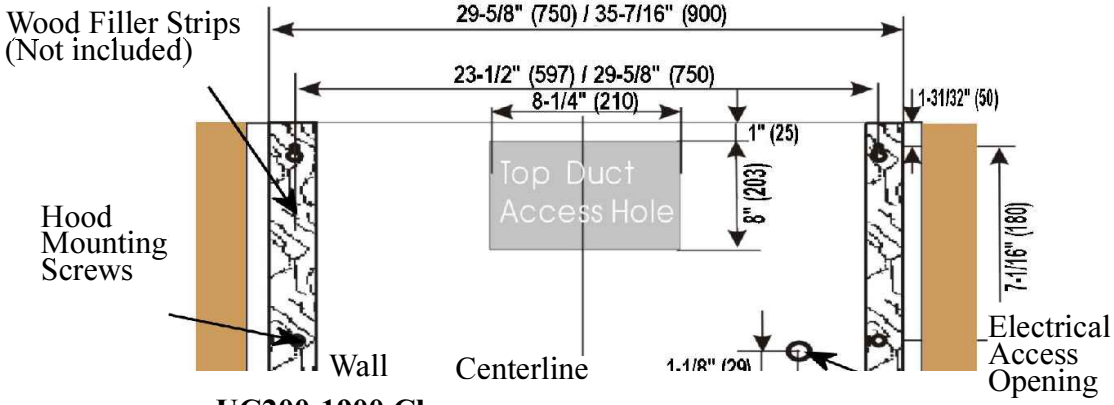
1. Connect the range hood to a designated standard outlet or cut off the plug and connect three wires (black, white and green) to house wires and cap with wire connectors. Connect according to colors (i.e. black to black, white to white, and green to green).
2. Store excess wires in the wiring box.
3. Turn Power ON using control panel (refer to *Range Hood Operations* on Page 13-14). Check all lights and fan operations.
4. Make sure to leave this Installation Guide for the homeowner.

Figure 3: Cabinet Bottom View

UC200-4130W



UC200-2000 Class



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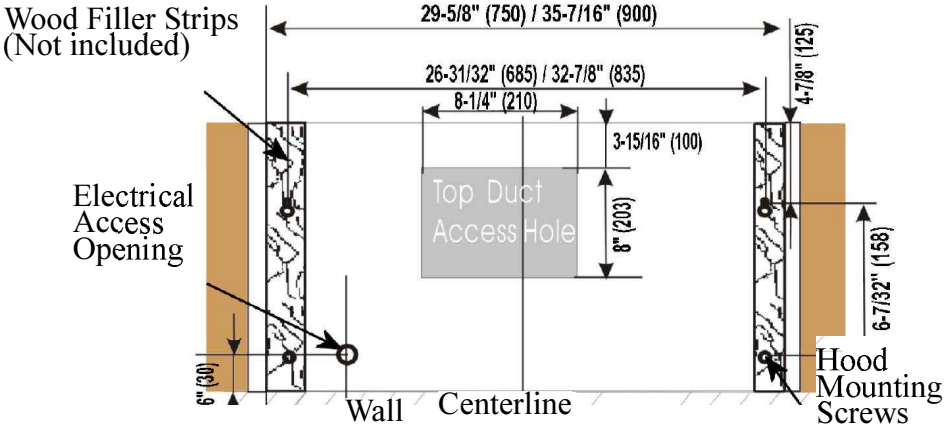


UC200-1800 Class

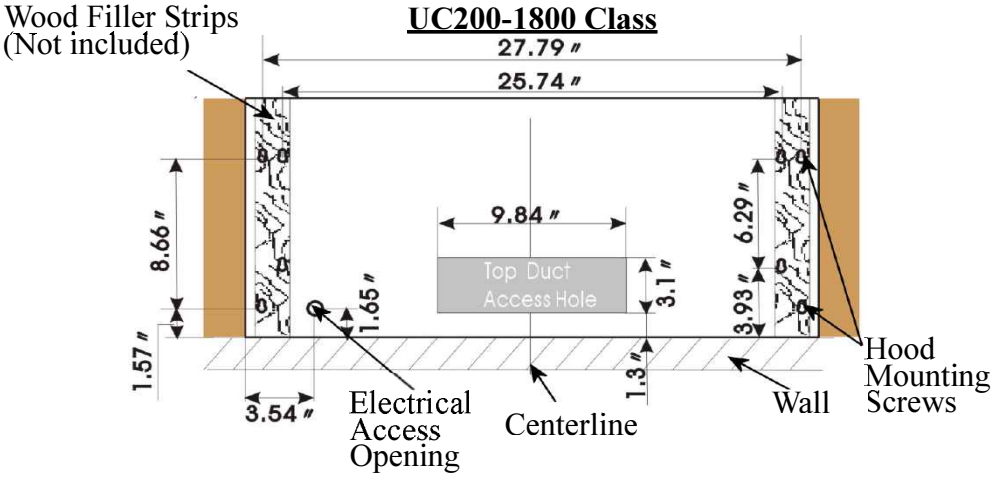
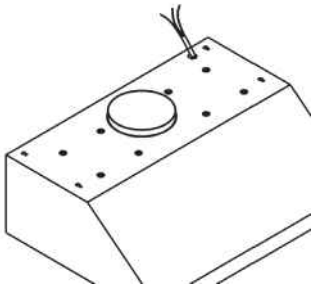


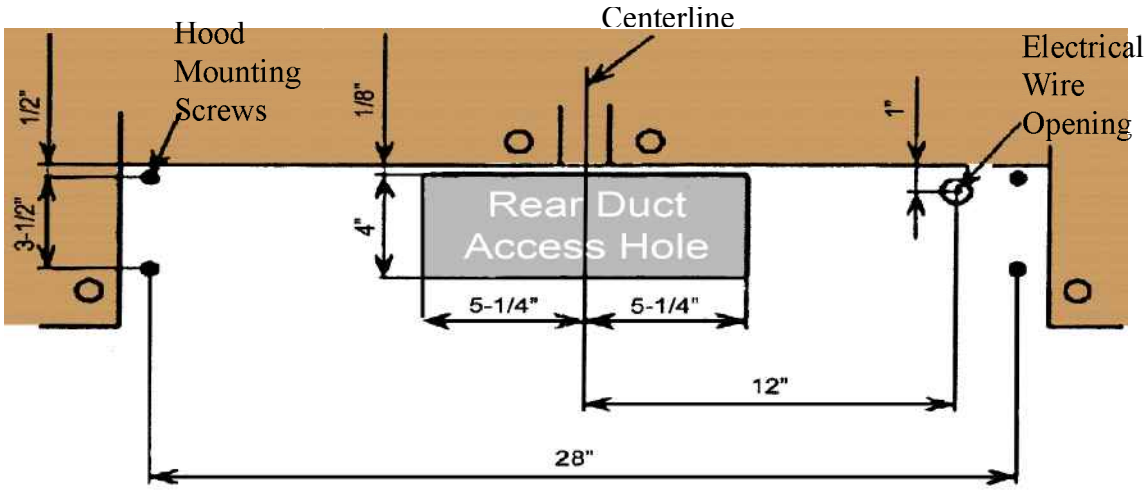
Figure 4:
Electrical wires
through top opening



Installation (Continued)

Figure 5: Cabinet Front View

UC200-4130W



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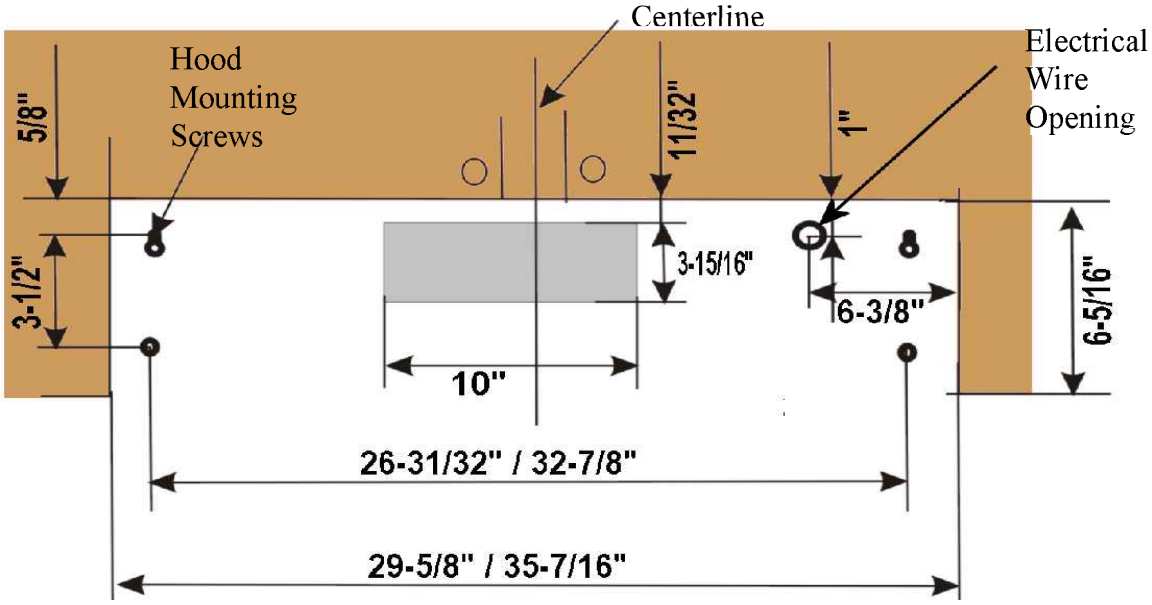


UC200-1800 Class

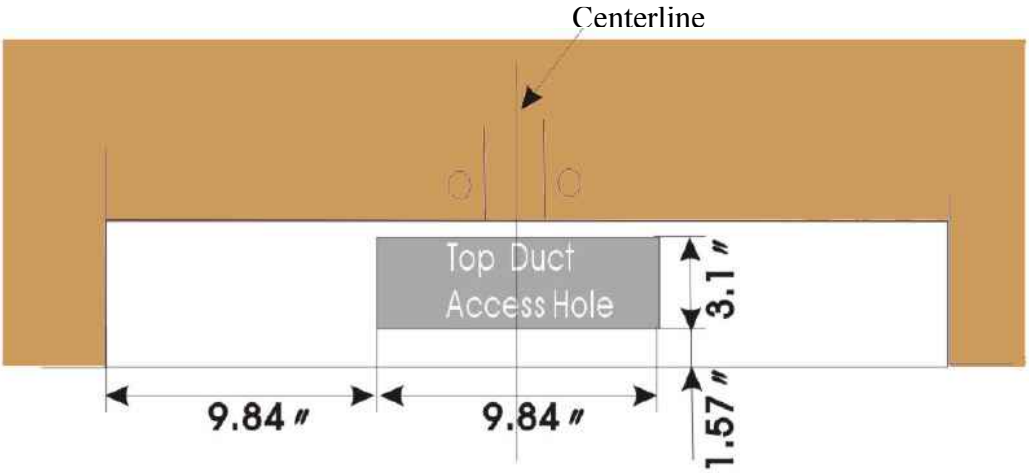
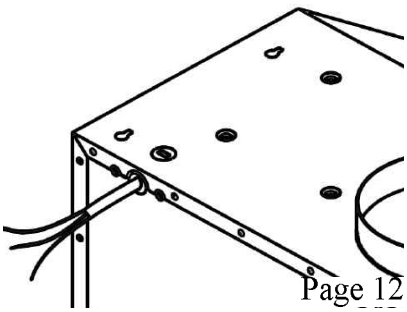


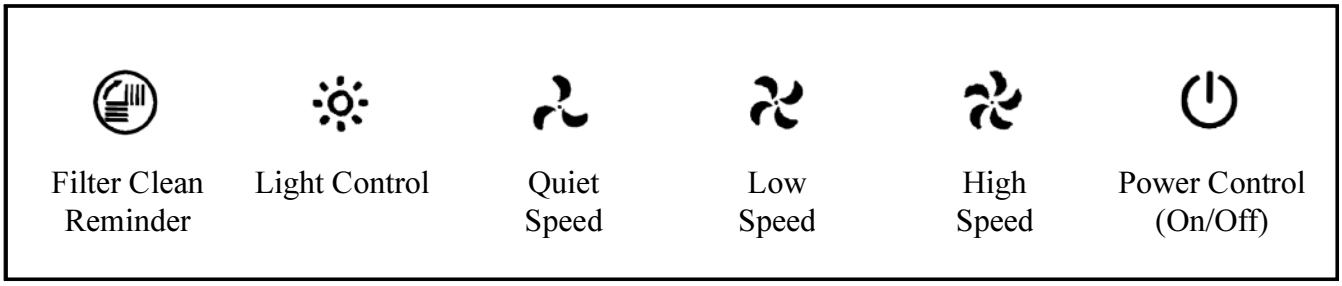
Figure 6:
Electrical wires through rear opening



Range Hood Operations

Control Panel Layout and Buttons Configurations:

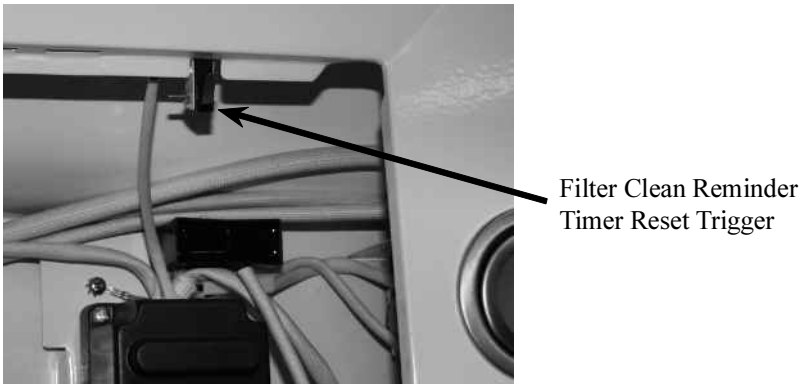
1. Electronic Control



This range hood is equipped with five electronic controls, a powerful centrifugal squirrel cage motor with two aluminum filters, two bright 20W~12V or 40W~120/240V halogen lights and a filter clean reminder.

The five electronic buttons control the intensity of the Lights, Speeds (Quiet, Low and High) and Power (On/Off). The Power Control (On/Off) offers startup, 3-minute delay or immediate power-off. The Light Control operates independently from the Power Control (On/Off) and is not affected by the delay shutoff.

The aluminum filters are designed to deliver approximately 3 months of grease filtration between each cleaning. The Filter Clean Reminder is set to turn ON after 100-hours of fan operation have elapsed since the installation of cleaned or new filters. The timer for this reminder light will reset each time the filter is removed and the trigger is released.



Turning Fan ON:
Always turn fans ON couple minutes before cooking to establish air flow and allow fans to run for a few minutes after cooking for cleaner air in the kitchen. The Power Control (On/Off) button must be pressed before a Speed Control button can be activated.
NOTE: The light setting will not be affected by the Power Control (On/Off) button.

- With the range hood is OFF, press the Power Control (On/Off) button once. The LED on the Power Control button will be illuminated.
- While the Power Control LED is illuminated, press one of the three speed control button (Quiet, Low and High) to activate the desired speed (the LED on the speed control button will turn on).
- To change the fan speed, press another speed control button. The LED on the speed control button will become illuminated accordingly.

Range Hood Operations (Continued)

Control Panel Layout and Buttons Configurations:

Turning Fan OFF:
The 3-minute power-off delay function will only turn OFF fans. The light settings will not be affected by the delay function.

Three-Minute Delay

- While the fans are operating, press Power Control (On/Off) button once, the Power Control LED will flash and fans will turn OFF after 3-minutes.
- During this 3-minutes delay, changing speeds will not affect the countdown.
- The 3-minute power-off delay function can be cancelled by pressing press Power Control (On/Off) button once while it is flashing.

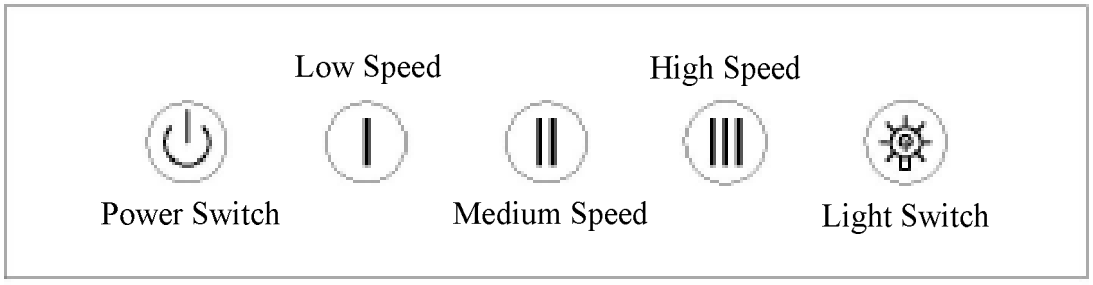
Immediate Power-off

- While the fans are in 3-minute power-off delay mode, press the illuminated speed control button once to turn OFF the fans immediately.
- When the fans are operating in normal mode (Power Control LED not flashing), rapidly press the Power Control (On/Off) button twice to turn OFF the fans.

Light Control:
Light Control button operates independently from the Power Control (On/Off) and power-off delay function. Pressing the Power Control (On/Off) button or activating the delay function will not turn halogen lights ON or OFF. The lights have three settings: High, Low and OFF. **CAUTION: DO NOT touch the lights until switched OFF and cooled.**

- While the halogen lights are OFF, press the Light Control button once to turn halogen lights ON at High intensity. LED on Light Control will become illuminated.
- Press the Light Control button again to change the light intensity to Low.
- Each touch of the Light Control button will cycle the light intensity through High, Low, and OFF.

2. Three Speed Mechanical Control



Turn On:

- Press the speed control (Low Speed, Medium Speed, High Speed) switch to select the desired level of power. Once button is pressed, the previous speed mode will cancel.
- Press the Light Switch to power on the lights.

CAUTION: DO NOT touch the lights until switched OFF and cooled.

Turn Off:

- Press the Power Switch to turn off the power.
- Press the Light Switch to power off the lights

Troubleshooting

1. If the range hood or halogen light does not operate after installation:
   - Check if the range hood has been plugged in, make sure that all power has been turned back ON, fused not blown and all electrical wiring are properly connected.
   - Swap out light assembly to working ones to determine whether it is caused by defective bulbs. See *Replacing the light bulbs* on Page 22.

2. The range hood vibrates when the blower is on:
   - The range hood might not have been secured properly on to the ceiling or wall.

3. The blower or fan seems weak:
   - Check that the duct sized used is at least 6” or 3-1/4 x 10”. Range hood WILL NOT function efficiently with insufficient duct size. For example: 7” duct over 6” hole and loosely secured.
   - Check if duct is clogged or if damper unit (half-circular flapper) is not installed correctly or opening properly. A tight mesh on a side wall cap unit might also cause restriction to the air flow.

4. The lights work but the blower is not spinning at all, is stuck or is rattling.
   - The blower might be jammed or scraping the bottom due to shipping damage. Please contact us immediately.

5. The hood is not venting out properly:
   - Make sure the distance between the stove top and the bottom of the hood is within* 27” and 30” in distance. **Due to different ceiling height configurations, recommended height may not be applicable.*
   - Reduce the number of elbows and length of duct work. Check if all joints are properly connected, sealed, and taped.
   - Make sure the power is on high speed for heavy cooking.

NOTE: *For all other inquiries, please contact us. Our contact information can be found on the back cover.*