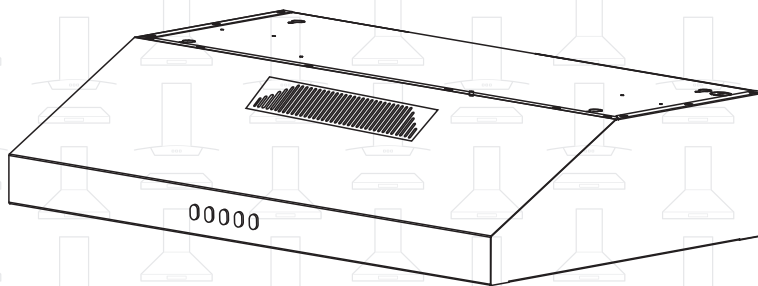


# USER MANUAL

## **Chef** Kitchen Range Hood



**Models UC-PS16-30 & UC-PS16-36**



**chef**

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## Safety Information

Before installing your range hood, read the entire instruction manual. Installers, leave this manual with the homeowner.

### WARNING

**SUITABLE FOR USE IN HOUSEHOLD COOKING AREA ONLY. TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY, OBSERVE THE FOLLOWING:**

1. Use this range hood only in the manner intended by the manufacturer. If you have the questions, contact Chef Kitch at 1-800-929-0168 or email at info@chefkitch.com.
2. Before servicing or cleaning, switch power off at service panel and lock service panel 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 back drafting. 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 steel ductwork.

9. This unit must be grounded.

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

1. Never leave surface units unattended at high settings. Boil overs cause smoking and greasy spillovers that may ignite.
2. Heat oils slowly on low or medium settings.
3. Always turn hood ON when cooking at high heat or when cooking flaming foods.
4. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
5. Use proper pan size. Always use cookware appropriate for the size of the surface element.

### WARNING

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

1. 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 as 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.

- 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 general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid damage and noisy and/or unbalanced impellers, keep drywall/construction dust, etc. off power unit.
3. Mount your range hood so that the bottom of the hood is 24" to 30" above the cooking surface. The minimum hood distance above cooktop must not be less than 24"; any installation less than 24" may cause overheating and cause damage to the range hood, CHEF KITCH does not warrant this improper installation.
4. Two to three installers are recommended because of the larger size and weight of this hood.
5. 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 and ceiling or into attics, crawl space or garages.
6. Because of the high exhausting capacity of this hood, you should make sure enough air is entering the house to replace exhausted air by opening a window close to or in the kitchen.
7. Use with approved cord-connection kit only.
8. Please read product specification label on range hood for further information and requirements.

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## Warranty Information

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This range hood is warranted to the original purchaser to be free of defects in material and workmanship for two (2) years from the date of purchase.

Our obligation shall be limited to the repair or replacement of a unit (at our discretion) that may prove, by our sole examination, to be defective under normal use and service during the warranty period. We may issue credit in the amount of the invoice value of the defective product (or a percentage of it according to use) in lieu of repair or replacement. Any failure of this product that is not traceable to a defect in material or workmanship is not covered by this warranty. These non-warrantable items include, but are not limited to:

- Any defects or damage to light bulbs
- Change in color or finish due to chemical usage
- Improper installation not in accordance with the instructions
- Dents, bumps, and scratches incurred during shipping, handling, or installation
- Damage caused by failure to follow care and cleaning guidelines, including damage caused by the use of abrasive cleaners
- Alterations made to the unit by the purchaser or installer
- Damage caused by accidental impact, fire, flood, freezing, and normal wear
- Bends and warping caused by forced connections, over-tightened fittings, and inadequate support during installation

A thorough inspection must be made before installation and any damage must be promptly reported. We will not be liable for failures or damage that could have been discovered or avoided by proper inspection and testing prior to installation. Incidental repairs that would involve a minimum of time and effort on behalf of the purchaser will not be considered warranty work and no compensation will be deemed forth coming.

This warranty is non-transferable and shall be voided if the unit is removed from its initial installation or if it is not installed following the instructions.

Under no circumstance shall we be held liable for personal injury or property damage resulting from improper installation or use of this product. We will not be held liable for

A thorough inspection must be made before installation and any damage must be promptly reported. We will not be liable for failures or damage that could have been discovered or avoided by proper inspection and testing prior to installation.

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This warranty is non-transferable and shall be voided if the unit is removed from its initial installation or if it is not installed following the instructions.

Under no circumstance shall we be held liable for personal injury or property damage resulting from improper installation or use of this product. We will not be held liable for inconvenience caused by loss of use of this product, costs incurred for labor or materials, removal and installation of replacement units, or any other incidental or consequential damages. Costs relating to obtaining access for repair or replacement are the responsibility of the user.

This warranty does not extend to commercial and institutional installation or use.

### Warranty Claim Procedure

If a claimable defect occurs, please contact our customer service team at 1-800-929-0168 (8 a.m. - 5 p.m., PST, Monday - Friday). or email us at [info@chefkitch.com](mailto:info@chefkitch.com) Before you make your claim call, please ensure that you have:

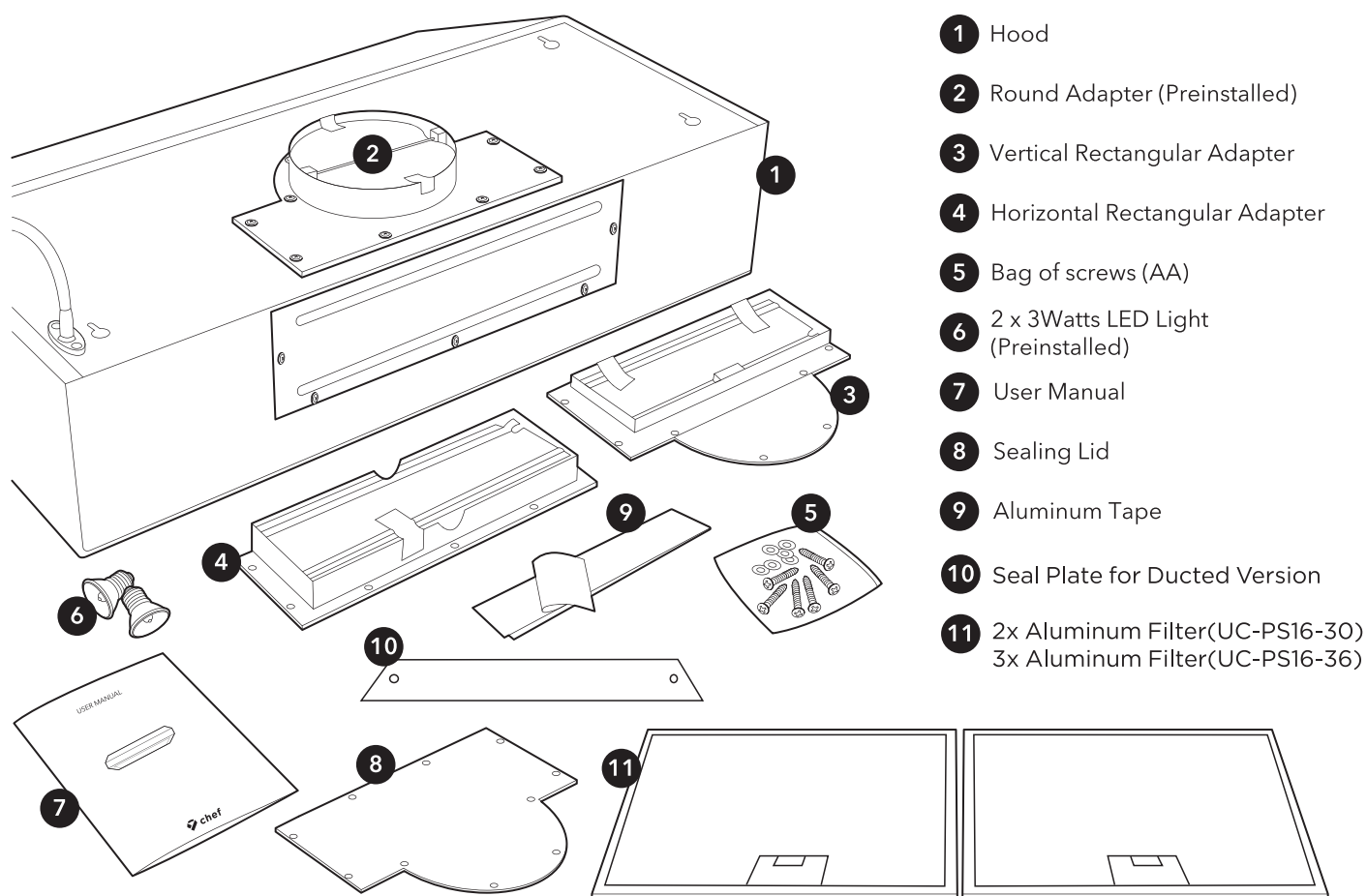
- Description of the range hood
- Proof of sale
- Details regarding the defect
- Name(s) and address(es) of the owner and installer

Claims must be filled out in writing and returned within six (6) months of the appearance of a defect. Failure to comply with this stipulation will make this warranty null and void. We reserve the right to a thirty-day (30) delay following the receipt of a claim in which to inspect the product. We assume no responsibility for labor costs, removing or replacing a previously installed product, transportation, or the return of a product.

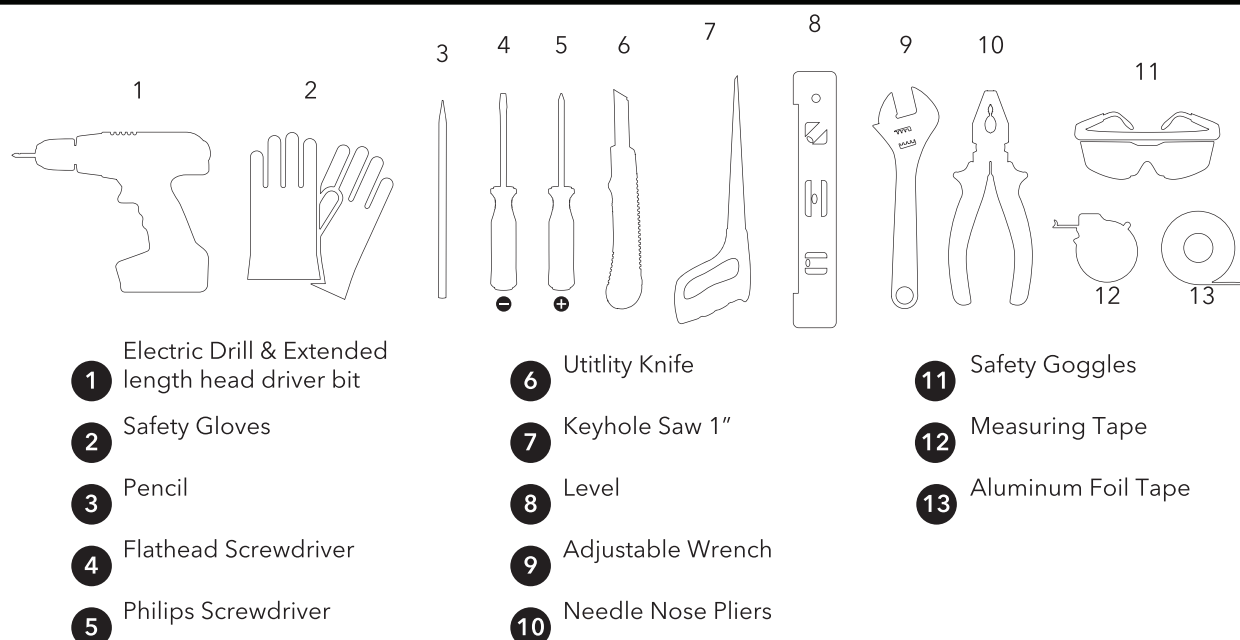
## Specifications

| Dimintions UC-PS16-30     | Dimintions UC-PS16-36     | Volts | Hertz | Fan CFM | Speeds | Light Wattage | Stainless Steel Grade |
|---------------------------|---------------------------|-------|-------|---------|--------|---------------|-----------------------|
| 29-3/4" W<br>22" D<br>8"H | 35-3/4" W<br>22" D<br>8"H | 120   | 60    | 450     | 6      | 3W x 2        | 430                   |

## Package Contents



## Tools Needed



## Preparation: What to Do Before Installation

Before installing your range hood, carefully follow these steps:

### 1. Read This Manual

Read through all the steps. If you fail to read the instructions carefully, we will not be responsible for damages incurred on your part. If you're not confident in your abilities to install the range hood properly, we recommend hiring a certified technician to complete the installation.

### 2. Gather Your Tools

Ensure you have all the necessary tools according to the previous page.

### 3. Inspect the Unit

Unpack the unit and check your range hood for damage or missing parts. Plug it in to an outlet to ensure the fan and lights work. If anything is damaged or missing, contact the seller to get the issues solved. Don't throw away packaging until you're sure you are fully satisfied with the product.

### 4. Ensure There is Proper Height Clearance

To ensure the highest performance, the bottom of your range hood must be between 24" and 30" from the top of the cooking surface. For gas ranges, the required distance is 30". Do not exceed the maximum height of 30" while in operation. This is very important! Installing at the incorrect height could lead to drastic reduction in the range's performance or even cause a fire.

### 5. Check Your Power Supply and Ducts

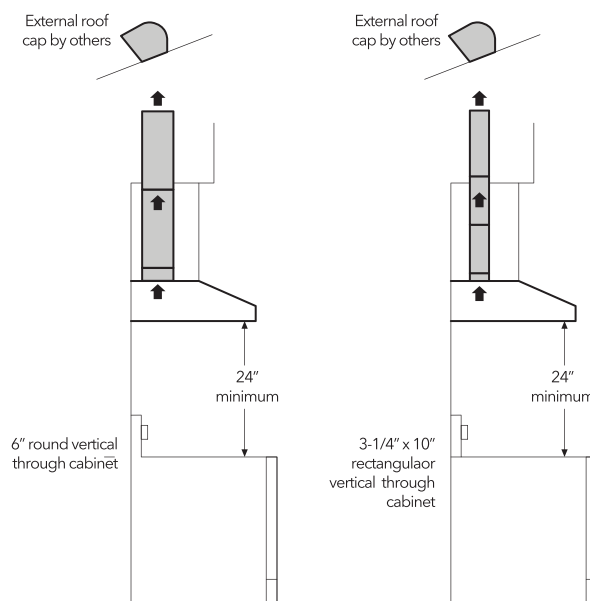
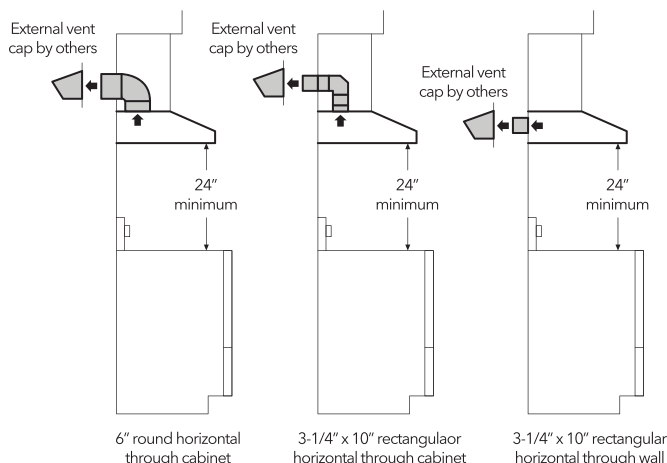
Check to ensure your main voltage is in line with the required voltage outlined on the rating plate inside this hood. Also check the domestic power supply to guarantee adequate earthing before installation.

This range hood must be ducted to the outside. Don't connect the range hood to exhaust ducts that carry any type of combustion fumes like fireplaces, boilers, or any similar items. The vents should have a short, straight run to the outside. Avoid any elbows if possible, and if an elbow is required, a minimum of a 12" straight run is imperative before the elbow.

### 6. Figure Out Ducting Requirements & Install Adapter

This range hood requires ducting to the outside for ventilation. This range hood comes pre-installed with a vertical 6" round adapter. The package comes with a horizontal and a vertical rectangular adapter.

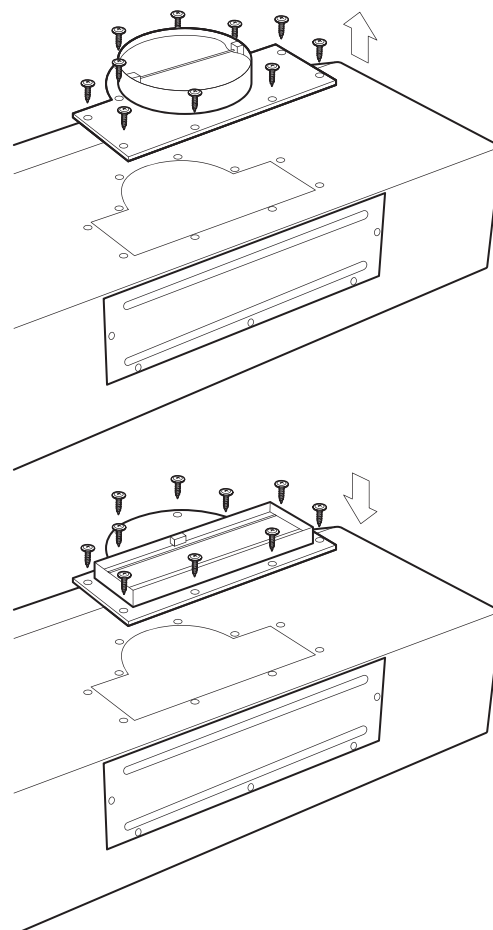
Look at the duct you're going to attach the range hood to.



### Is it a vertical rectangular duct?

If so, take off the round adapter that is preinstalled on the unit by removing 10 screws. Attach the rectangular adapter in its place and tighten the adapter with the previously-removed 10 screws. Remove the tape holding up the dampers.

**IMPORTANT:** Failure to remove the tape from the damper will cause reduction in performance.



### Is it a 6" round duct?

You won't have to make any extra preparations. The range hood will attach directly to your duct. Be sure to remove the tape holding up the dampers.

**⚠ IMPORTANT:** Failure to remove the tape from the damper will cause reduction in performance. Make sure to install with the existing black rubber gasket.

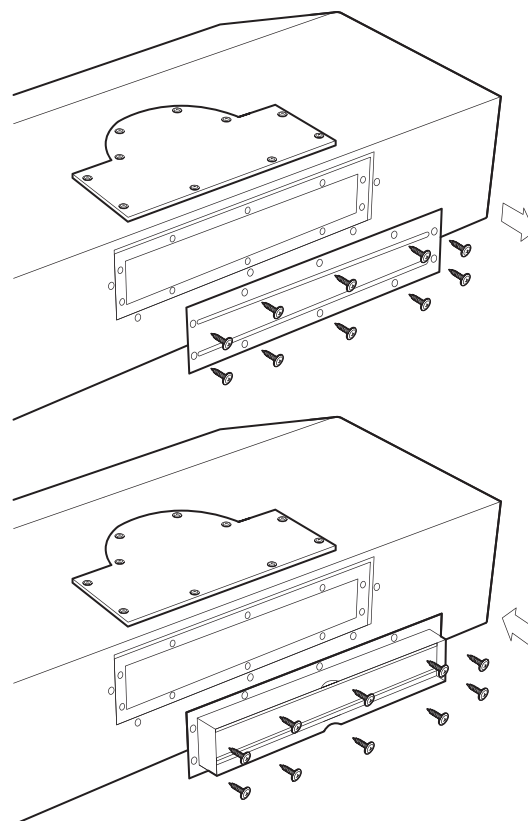
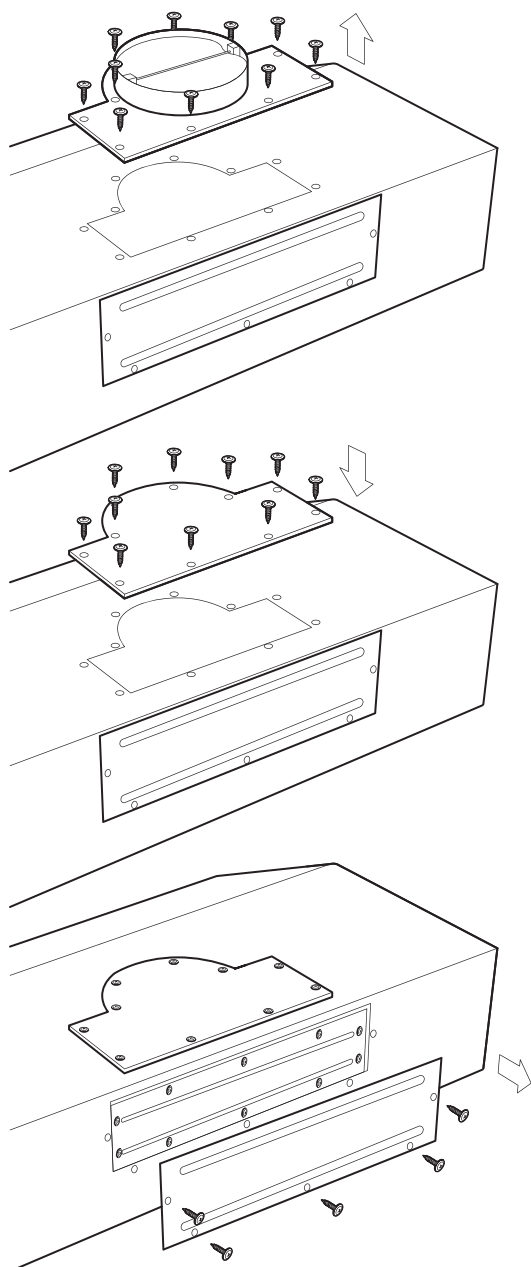
### Is it a horizontal rectangular duct?

If so, remove existing round adapter by removing the 10 screws. Cover the opening with the shutoff plate and secure with 10 screws. This renders the round duct opening useless, and you can move forward with the installation of proper arrangements for horizontal discharge.

Remove the 5 screws and carefully take off the large shutoff plate on the back of the hood. Then, carefully remove the 8 screws holding the small sealing lid inside the back of the hood.

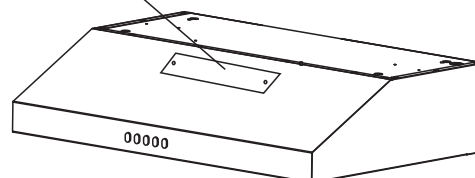
Attach the horizontal rectangular adapter into the back of the hood. Attach it using the 8 screws you removed from the small shutoff plate. Remove the tape holding up the dampers.

**⚠ IMPORTANT:** Failure to remove the tape from the damper will cause reduction in performance. Make sure to install with the existing black rubber gasket.



### 7. Replace the grill plate by the seal plate to block the ductless vent.

Seal Plate for Ducted Version



### 8. Prepare the Cabinet (Soffit)

Measure the size of the outlet adapter relative to the cabinet. If it is not already done, you'll need to cut an opening in the cabinet to ensure the outlet adapter and power cable can pass through. If you must do this, use a pencil and ruler to mark the area, then cut with a wall/key-hole saw.

If you're installing the UC-PS16SS-30 under a cabinet with a recessed bottom, we recommend using 4" wood fillers on each side to stabilize the cabinet for mounting purposes. For UC-PS16SS-36, we recommend using 6" wood fillers on each side for easier, more secure mounting.

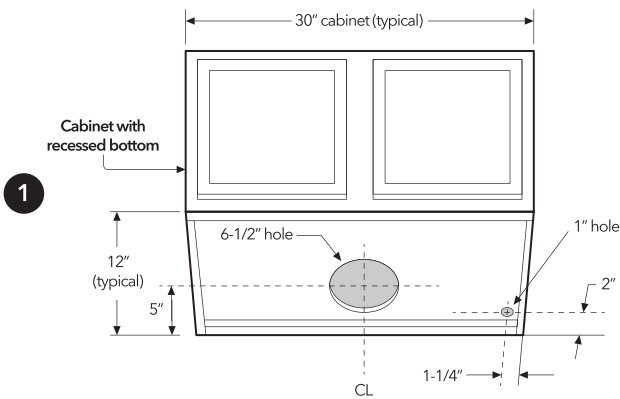
### 9. Find a Helper

This range hood is best installed by two or more people due to its size and weight. Again, it is recommended to hire a certified technician for installation to reduce the risk of damage or injury.

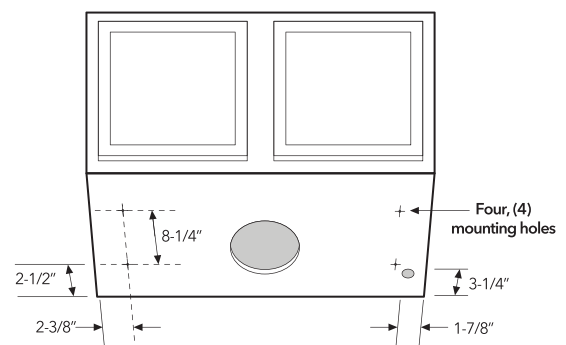
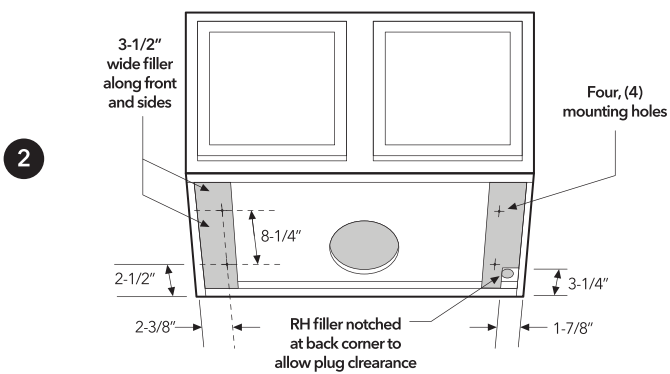
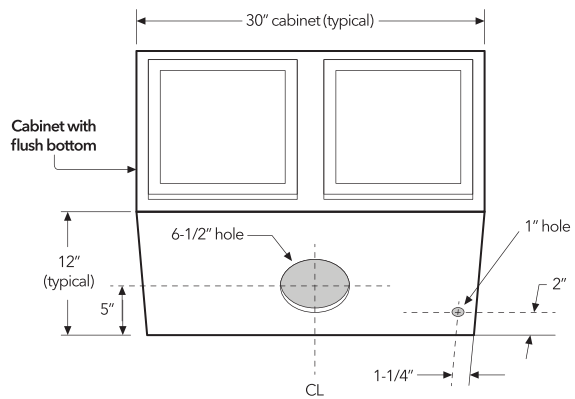
## UC-PS16-30

### 1. Round Vertical Adapter

Cabinet with recessed bottom

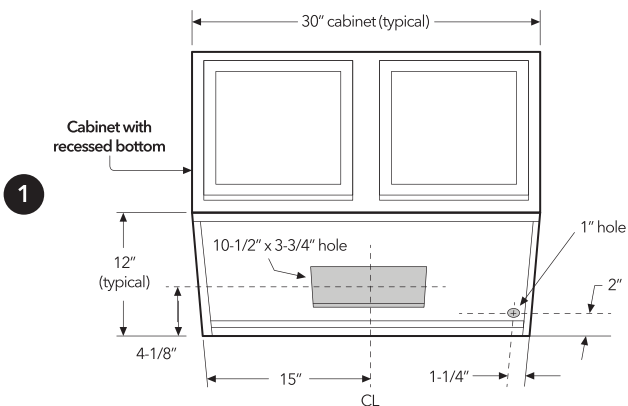


Cabinet or soffit with flush bottom

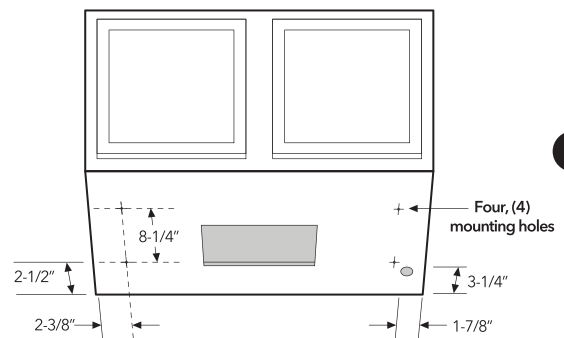
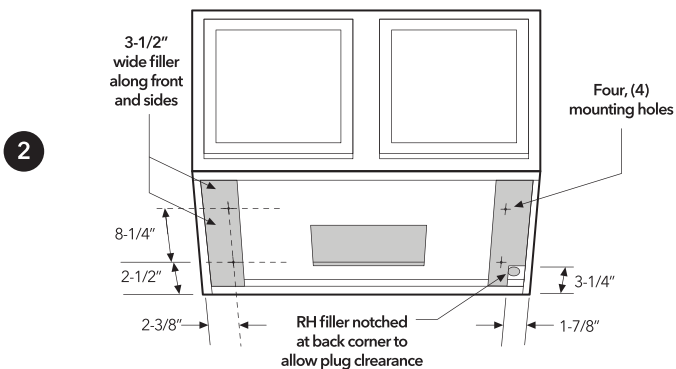
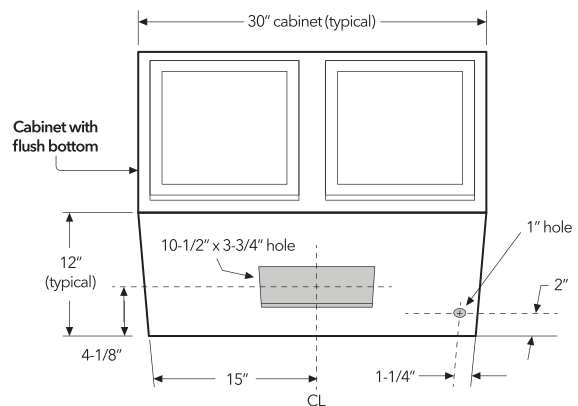


### 2. Rectangular Vertical Adapter

Cabinet with recessed bottom

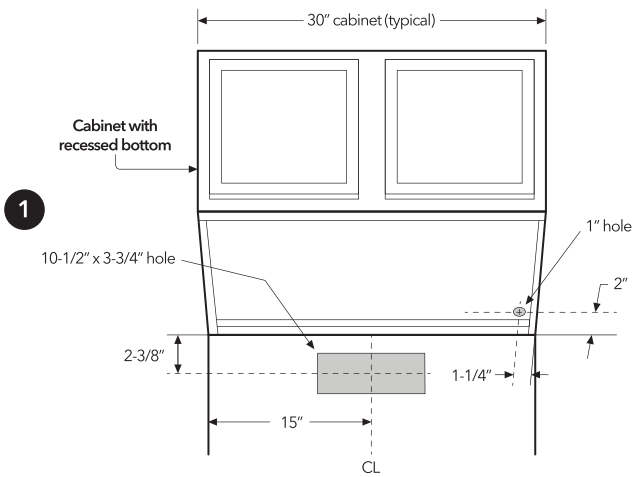


Cabinet or soffit with flush bottom

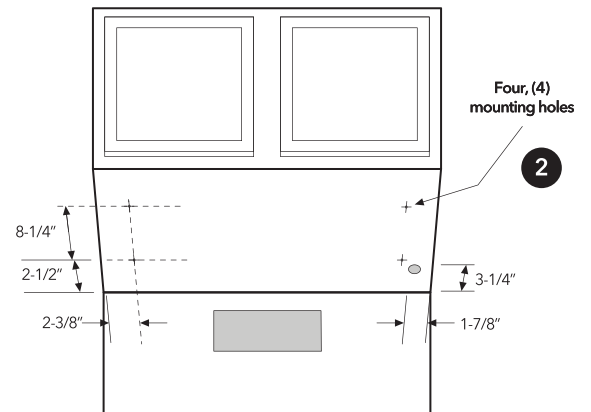
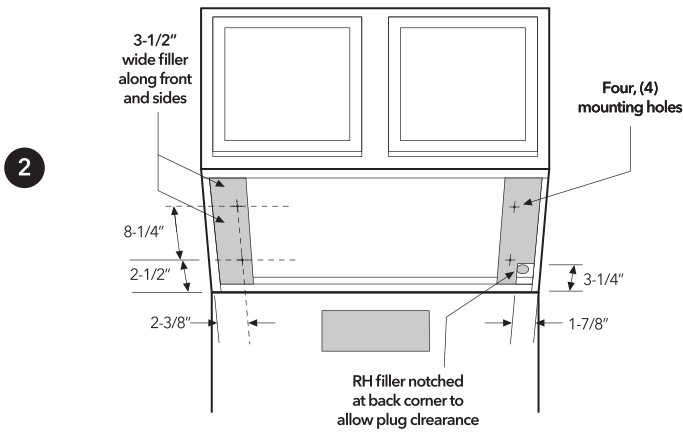
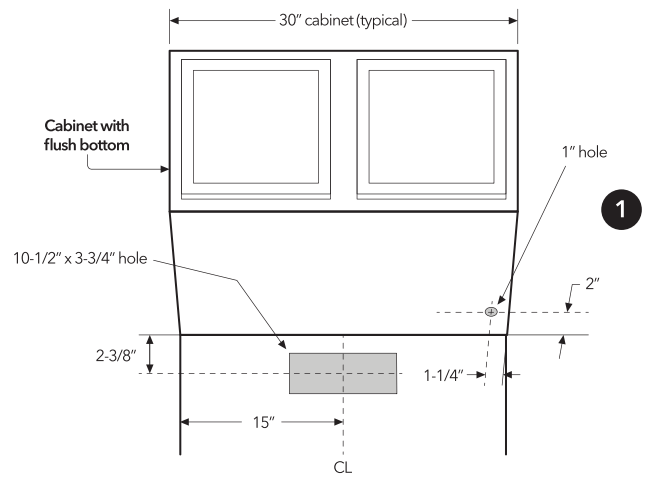


### 3. Rectangular Horizontal Adapter

Cabinet with recessed bottom

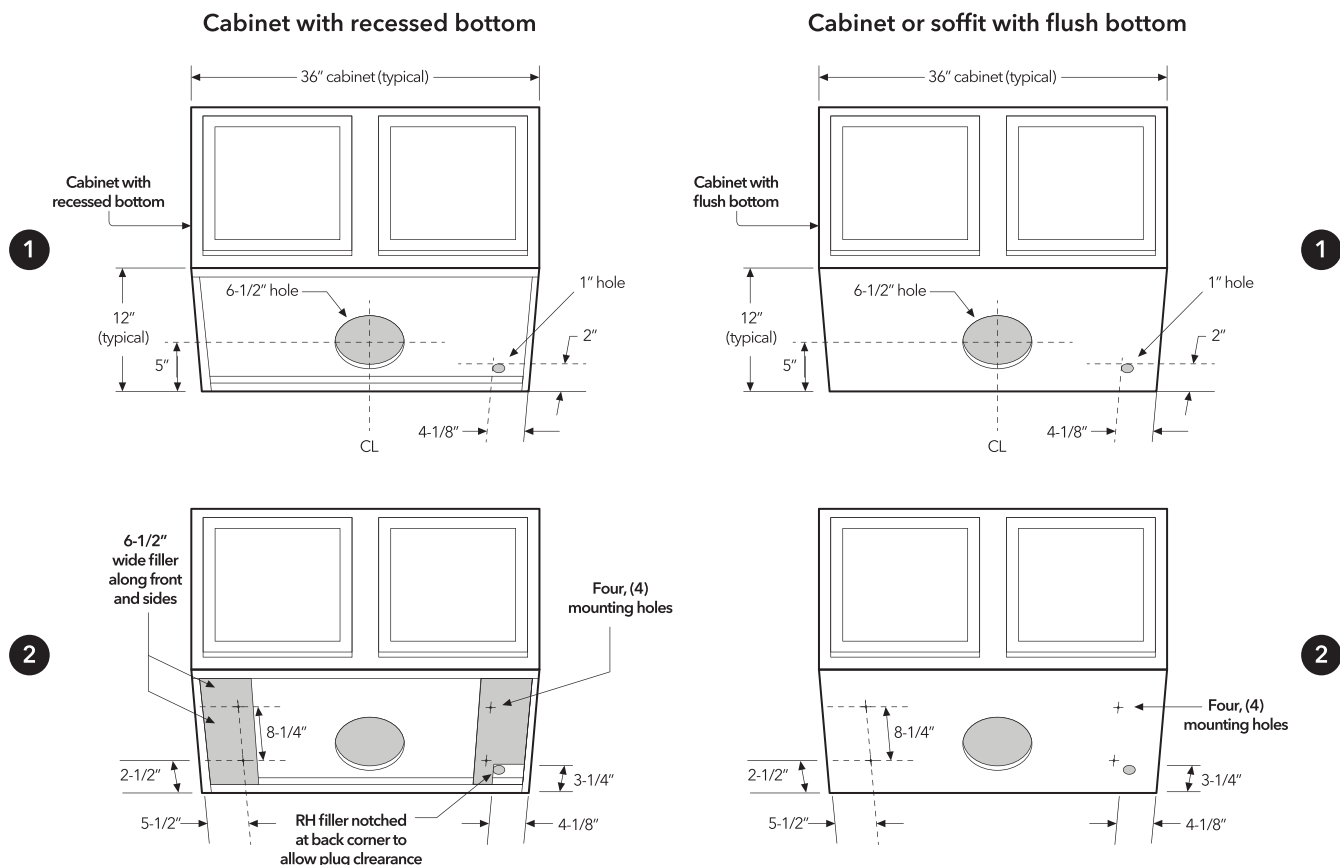


Cabinet with flush bottom

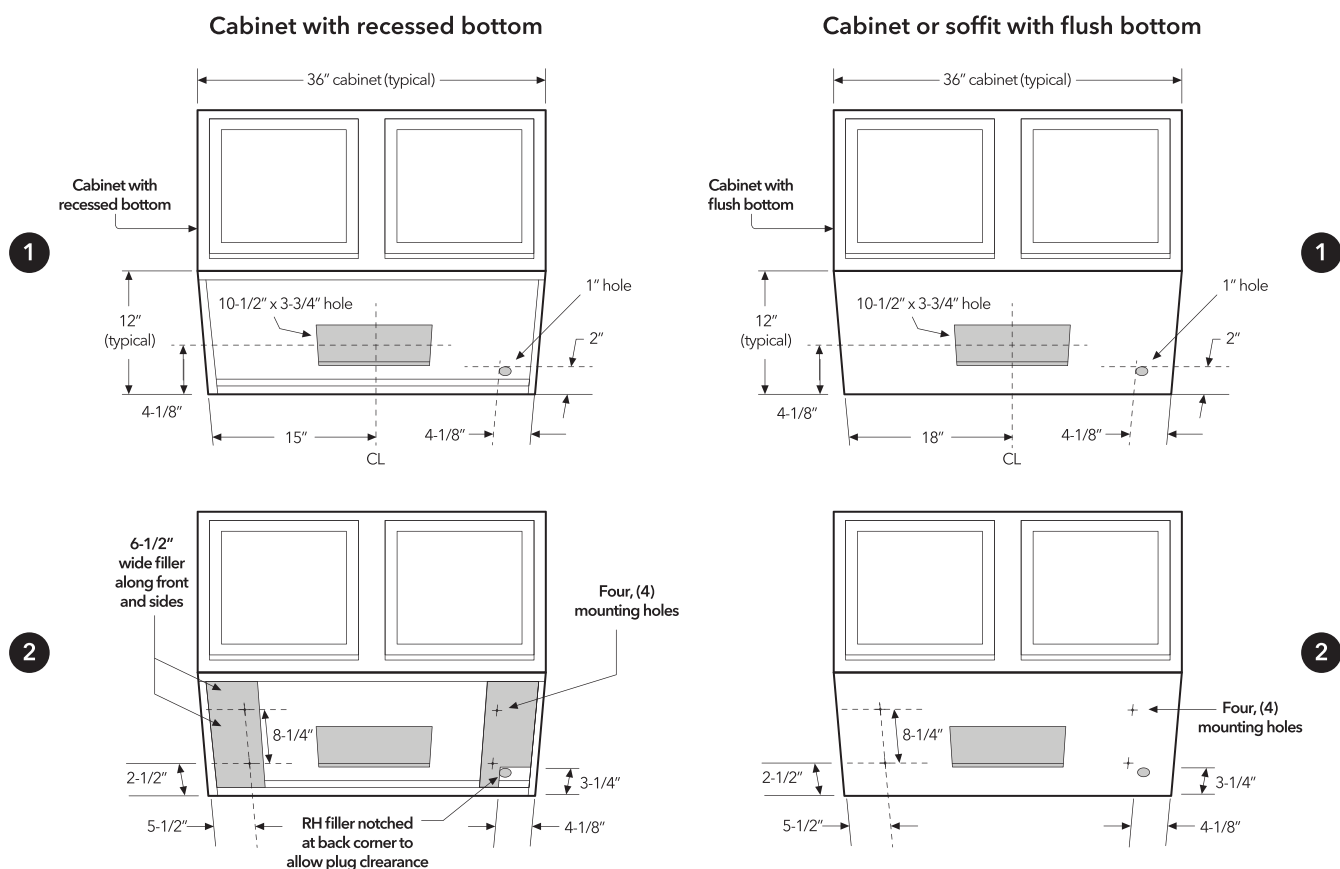


## UC-PS16-36

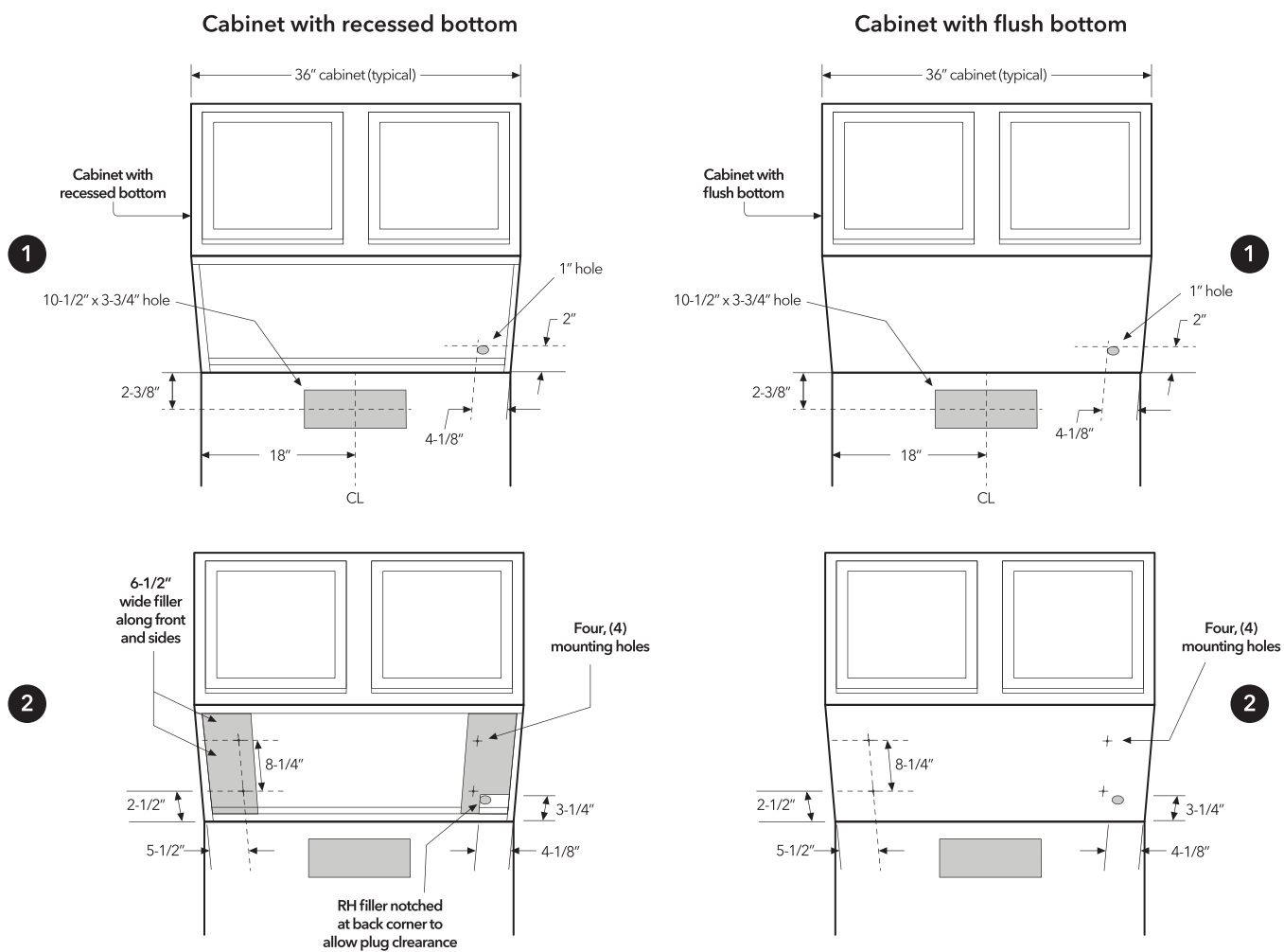
### 1. Round Vertical Adapter



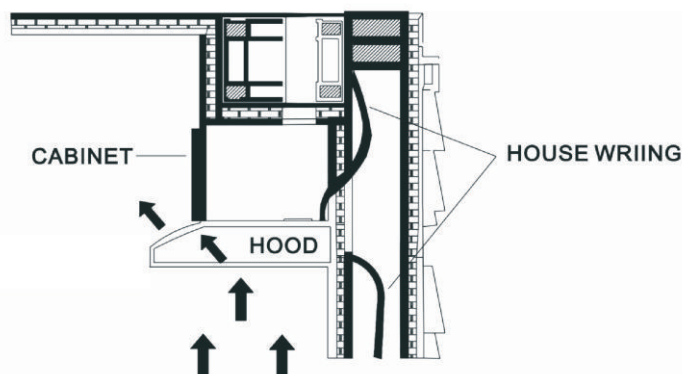
### 2. Rectangular Vertical Adapter



### 3. Rectangular Horizontal Adapter

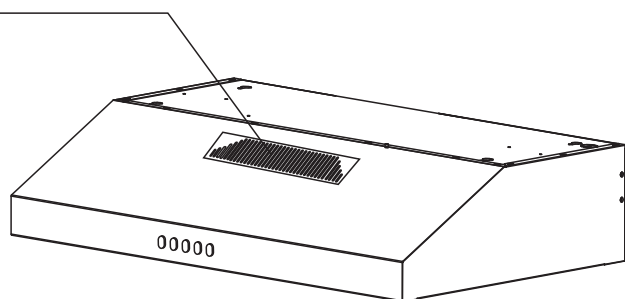


# Ductless Version



1. It can be modified to ductless version(re-circulates the air back into the kitchen) with addition of Charcoal Filter (sold separately).
2. For ductless version, no need to install a duct.

Grill Plate for Ducted Version

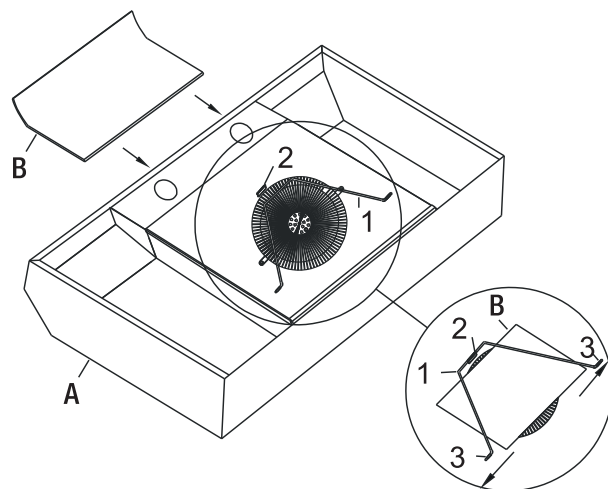


3. Charcoal filter must be installed on the hood (sold separately).

## How to Install the Charcoal Filter

NOTE: The charcoal filter should only be installed if you are not using an external venting system.

1. Turn over the range hood (A) and place its top on a protective surface.
2. Remove the filters.
3. Unhook the charcoal filter support (1) from the support hook (2) and pull the charcoal filter support up.
4. Place the charcoal filter (B) under the charcoal filter support (1). Ensure that the filter is placed horizontally, or the charcoal filter support (1) will not close properly.
5. Slide the charcoal filter support (1) to the left or right in its braces (3) until you can re-hook it on its support hook (2).



# How to Install Your Range Hood

When you've completed all the preparation steps, you're ready to install your range hood.

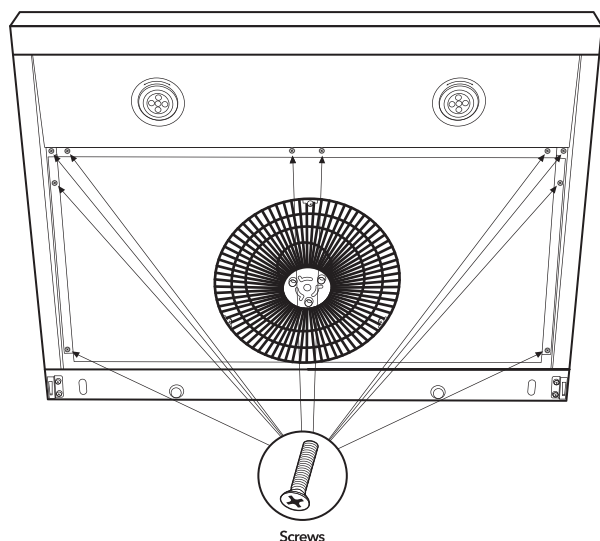
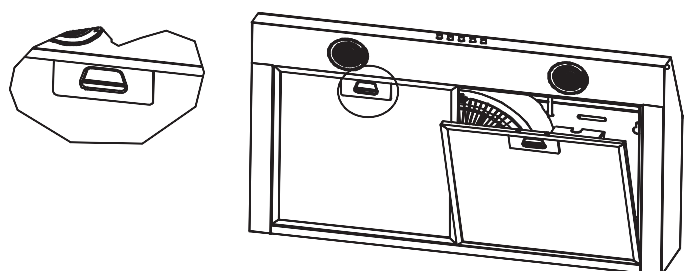
## 1. Test the Unit

Plug the unit into an outlet and press the touch panel to make sure that the unit is working.

**⚠ IMPORTANT:** If the range hood is not working properly, please contact us immediately (1-800-929-0168 / info@chefkitch.com).

## 2. Uninstall the Range Hood's Bottom Cover

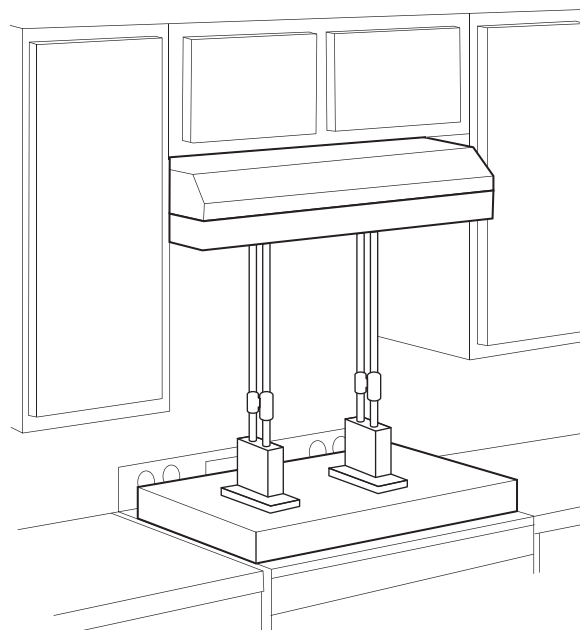
Remove the filter from the hood by pushing the filter knob inward. Slowly pull the filter down and remove gently from the range hood. Then, remove the bottom cover by carefully unscrewing the eight screws as shown.



## 3. Jack Up the Hood

If you are not removing the range, place the plywood (30" x 24") over the range / cooktop to avoid possible damage. Put the cabinet jacks on the plywood and place the second piece of plywood over the two cabinet jacks. Using the cabinet jacks, lift the hood into its position under the cabinet. Ensure that the adapter and power cord enter the cabinet openings and that the power cord is not pinched between the hood and the cabinet.

If you do not wish to use a cabinet jack, you will need three people. Have two helpers holding the range hood in place while the third person inserts the screws to mount the range hood. For cabinet jack operation, please refer to its manual.

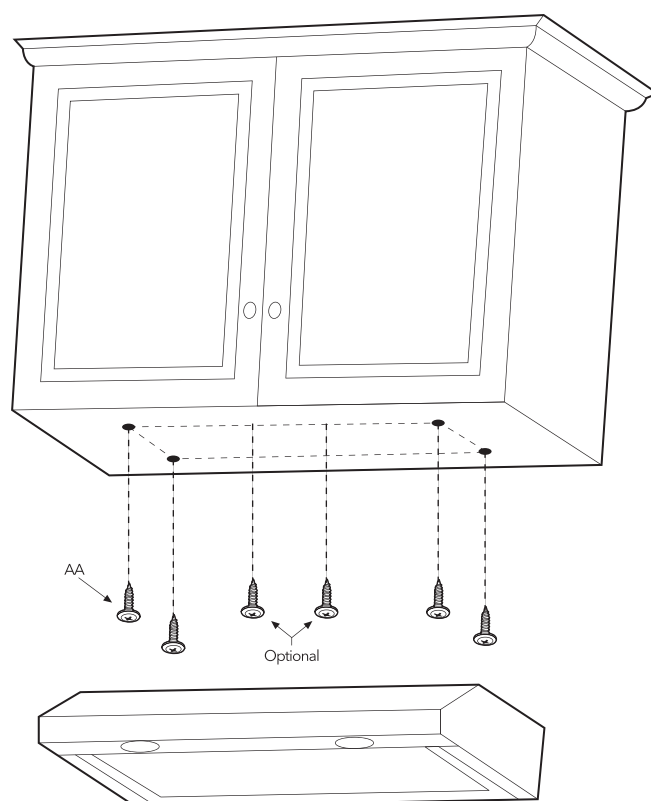


## 4. Screw It Into Place

From the bottom of the hood, carefully insert the mounting screws (AA) with washers into each of the pre-drilled mounting holes in the range hood. Start with the front left, then front right.

After the screws are in place for the front mounting holes, work on the rear left, then rear right. If you feel that you need to install the range hood more securely, you can use the additional two mounting screw holes in the front/center.

*TIP: To easily reach the rear mounting holes, use an extension tool for the power drill.*



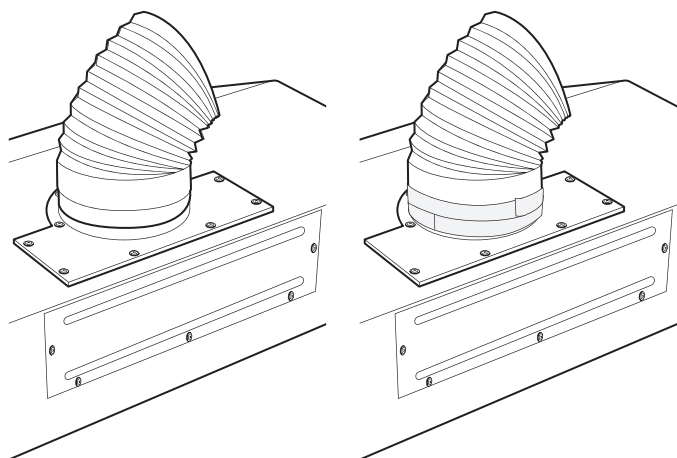
## 5. Double-Check Installation and Remove Support

Be sure that the hood is securely attached before removing the cabinet jacks and plywood.

## 6. Connect Damper & Check for Airtightness

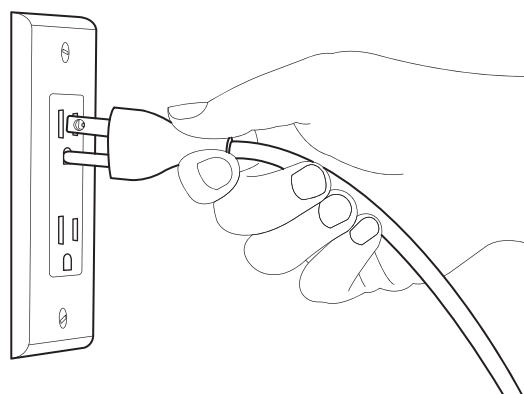
Turn on the hood to make sure that the damper opens and closes freely. This will ensure better and quieter performance. Insert the duct into the adapter, then attach with the two previously loosened screws. Make sure the duct is firmly attached to the adapter and wrap the joint with aluminum foil tape to make it air-tight.

**⚠ IMPORTANT:** Be careful when connecting the vent pipe to the adapter. Excessive force might dislodge the damper and fell into the house, which may damage the motor.



## 7. Plug the Range Hood In

Plug the power cable into an outlet.



## 8. Reinstall Bottom Cover and Filters

Using the 8 screws you removed earlier, reinstall the bottom cover and then reinstall the filters.

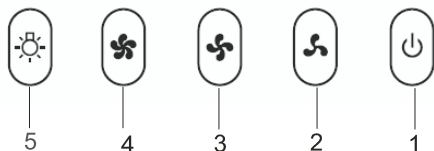
## 9. Keep This Manual

Put this manual in a safe place and keep for further

# How to Use Your Range Hood

1. The hood is operated by using a push button switch on the front panel.
2. The light switch turns the lamps on and off. The blower switch turns the blower on to three speed settings:

- 1- OFF
- 2 - LOW SPEED
- 3 - MEDIUM SPEED
- 4- HIGH SPEED
- 5- LIGHT



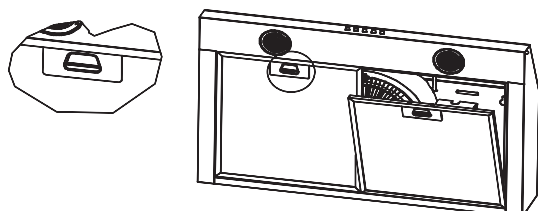
## Basic Maintenance Instructions

Your range hood requires some easy routine maintenance to keep it running efficiently.

### Maintaining the Filter

Clean the grease filters frequently—we suggest cleaning every 2 weeks. For your convenience, the filters are dishwasher safe!

1. Remove the baffle filters from the hood by pushing the filter knob inward. Then, carefully pull the baffle filter down and remove it gently.

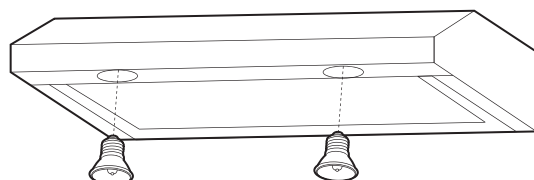
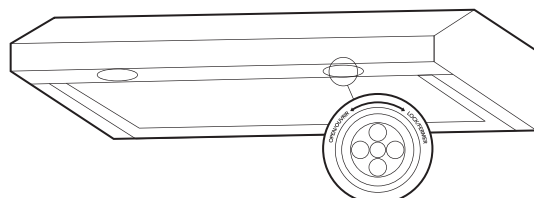


2. Clean the filters with warm water and detergent, or place them in the dishwasher. Be careful with the filters to avoid damage.
3. Let the filters dry completely.
4. Reinstall the filters.

### Maintaining the Lighting

This range hood uses two lamps of 3W.

1. Turn off power. For halogen lights, let light bulbs cool completely before removing, if needed (about 5 minutes).
2. Wearing protective gloves, rotate the light bulb counterclockwise to disengage the bulb.
3. Place new lightbulb into the socket and rotate



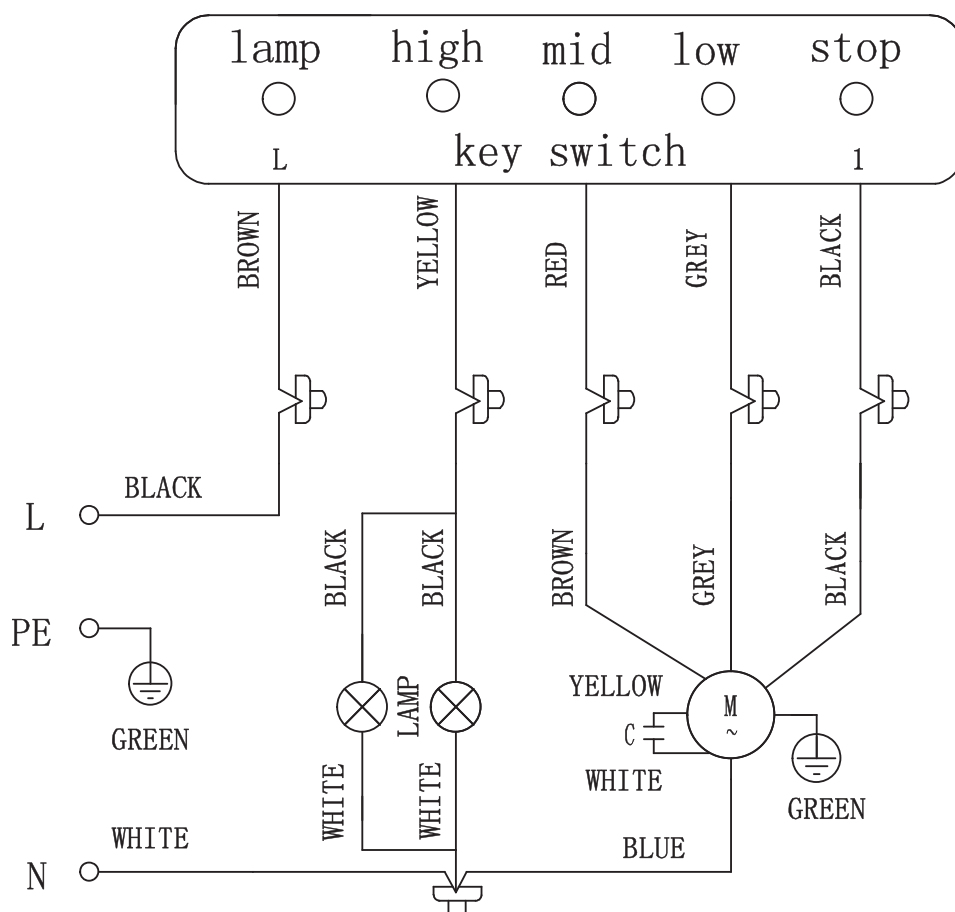
### Cleaning Your Range Hood

This range hood will look great and function correctly for a long time with proper care. Here are a few do's and don'ts when caring for your range hood.

**⚠ WARNING:** Failure to maintain basic standards of care and cleaning will increase the risk of fire.

| DO                                                                                 | DONT                                                                                                                                       |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Clean the range hood with warm, soapy cloth or a stainless-steel polish.           | Don't use cleaners or cloths that are corrosive or abrasive. Don't use detergents with ingredients like chloride, iodide, or fluoride.     |
| Clean the hood in line with the grain of the stainless steel.                      | Don't leave dirt or soap residue on the hood. This can damage the surface. Wash the hood's surface and rinse immediately with clean water. |
| After cleaning with soap, rinse with clean water and wipe with a clean, dry cloth. | Don't let particles, especially construction particles (from sanding, etc.) enter the hood. Cover the hood during room renovations.        |
| Check the ducts and vents regularly to make sure they are not clogged.             | Don't use flammable agents near the stove, as these can cause explosions.                                                                  |

## Wiring Diagram



## Troubleshooting Tips

**⚠ WARNING:** Failure to maintain basic standards of care and cleaning will increase the risk of fire.

| Problem                                                             | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| My range hood won't work.                                           | <ol style="list-style-type: none"> <li>1. Make sure the power supply and wiring are connected securely.</li> <li>2. Double-check to see that the power breaker is on and the power supply is live.</li> <li>3. Check to see that the control panel cables are connected correctly to the switchboards.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| My range hood vibrates while the fan is operating.                  | <ol style="list-style-type: none"> <li>1. Check to ensure the hood is firmly secured to the cabinet/wall. Tighten or add screws if necessary.</li> <li>2. Confirm that the motor is firmly in place and secured safely. If it is not, tighten it.</li> <li>3. If those steps haven't resolved the issue, your fan may be damaged. If it is damaged, you may need to replace it.</li> </ol>                                                                                                                                                                                                                                                                                                                                                         |
| The fan is operating weakly.                                        | <ol style="list-style-type: none"> <li>1. Double-check to ensure the duct size is correct.</li> <li>2. Clean ducts or filters if they're dirty. Also, check to make sure the mesh enclosure on the hood is receiving proper air ventilation.</li> <li>3. If possible, check to see that the damper is functioning properly regarding the opening.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                       |
| The fan is not working properly even though the lights are working. | <ol style="list-style-type: none"> <li>1. Double-check that the fan is not jammed /that it isn't scraping any of the surfaces of the hood.</li> <li>2. If this doesn't work, you may need to replace the motor as it may be defective.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| The vent hood is not working efficiently.                           | <ol style="list-style-type: none"> <li>1. The minimum distance between the cooking area and the appliance should be 24" or 30" maximum. Check to see if this is correct.</li> <li>2. Make sure that the duct is not susceptible to easy wind opening.</li> <li>3. Make sure the fan speed is at the appropriate rate. The heavier the cooking, the greater the speed of the hood should be set.</li> <li>4. Closing the windows and doors in the room will allow the vent to work much better.</li> <li>5. As noted during the installation process, all ductwork must be done correctly. You may need to reduce the length of ductwork or reduce elbows.</li> <li>6. Make sure all joinery in ductwork is sealed and secured properly.</li> </ol> |
| The light is not working.                                           | <ol style="list-style-type: none"> <li>1. Check to see if lightbulb is loose and needs to be tightened.</li> <li>2. If tightening doesn't fix the problem, replace bulb with a new one and see if that solves the issue.</li> <li>3. If replacement and/or tightening does not solve, you may need to replace the lighting service system on the hood.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                  |
| The touch panel is not responding.                                  | <ol style="list-style-type: none"> <li>1. Perform a power cycle reset by unplug the power cord, wait 10 seconds, and plug the power cord back.</li> <li>2. If Step 1 doesn't resolve the issue, please contact us immediately for a control panel replacement.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Still experiencing problems after following these steps? Contact a technician to assist. Contact us at **1-800-929-0168** or [info@chefkitch.com](mailto:info@chefkitch.com).

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## Contact Chef Kitch

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### Extended Warranties

If you are interested in an extended warranty, sign up on our website at [www.chefkitch.com](http://www.chefkitch.com)



### Parts and Accessories

If you need replacement parts or accessories, visit [www.chefkitch.com](http://www.chefkitch.com)



### Contact Us

We'd be happy to answer your questions or resolve any issues you may have.  
Phone: **1-800-929-0168**



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