

# Installation Instructions

# Range Hood

**Questions?** Call **800.GE.CARES (800.432.2737)** or Visit our Website at: **GEAppliances.com**

## BEFORE YOU BEGIN

Read these instructions completely and carefully.

- **IMPORTANT** – Save these instructions for local inspector's use.
- **IMPORTANT** – Observe all governing codes and ordinances.
- **Note to Installer** – Be sure to leave these instructions with the Consumer.
- **Note to Consumer** – Keep these instructions for future reference.
- **Skill level** – Installation of this appliance requires basic mechanical and electrical skills.
- **Completion time** – 1–3 hours
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.
- Use only with approved cord kit, JXHC1.

## FOR YOUR SAFETY:

**⚠ WARNING** – Before beginning the installation, switch power off at service panel and lock the service disconnecting means 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.

## DUCTWORK REQUIREMENTS

**NOTE:** Read the ductwork sections only if you do not have existing ductwork. If you have existing ductwork, skip to the "Damage" section and proceed.

**⚠ WARNING** – TO REDUCE THE RISK OF FIRE AND TO PROPERLY EXHAUST AIR, BE SURE TO DUCT AIR OUTSIDE—DO NOT VENT EXHAUST AIR INTO SPACES WITHIN WALLS OR CEILINGS OR INTO ATTICS, CRAWL SPACES OR GARAGES.

The venting system must exhaust to the outside.

This hood can be vented vertically through upper cabinets or horizontally through an outside wall. Ductwork is not included.

When applicable, install any makeup (replacement) air system in accordance with local building code requirements. Visit **GEAppliances.com** for available makeup air solutions.

### Exhaust connection:

The hood exhaust has been designed to mate with standard 3¼" x 10" rectangular ducting or 7" diameter round ducting.

If a 6" round duct is required, a rectangular-to-round transition adaptor must be used\*. Do not use less than a 6" diameter duct.

### Maximum duct length:

For satisfactory air movement, the total duct length of a 3¼" x 10" rectangular, 7" diameter round duct should not exceed 65 equivalent feet.

**NOTE:** It's important that ducting be installed using the most direct route and with as few elbows as possible. This ensures clear venting of exhaust and helps prevent blockages. **Also, make sure dampers swing freely and nothing is blocking the ducts.**












**Elbows, transitions, wall and roofcaps, etc.,** present additional resistance to airflow and are equivalent to a section of straight duct longer than their actual physical size. When calculating the total duct length, add the equivalent lengths of all transitions and adaptors plus the length of all straight duct sections. The charts on the following pages show you how to calculate total equivalent ductwork length using the approximate feet of equivalent length of some typical ducts.



\* **IMPORTANT:** If a rectangular-to-round transition adaptor is used, the bottom corners of the damper will have to be cut to fit, using the tin snips, in order to allow free movement of the damper. Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting performance with any hood.











# Installation Instructions

## WORKSHEET—CALCULATE TOTAL EQUIVALENT DUCTWORK LENGTH

DUCT PIECES	EQUIVALENT LENGTH	NUMBER x USED	=	TOTAL
 3 1/4" x 10" Rect., straight	1 Ft.	x (    )	=	Ft.
 7" Round, straight	1 Ft.	x (    )	=	Ft.
 6" Round, straight	1 Ft.	x (    )	=	Ft.
 3 1/4" x 10" Rect. 90° elbow	14 Ft.	x (    )	=	Ft.
 3 1/4" x 10" Rect. 45° elbow	8 Ft.	x (    )	=	Ft.
 3 1/4" x 10" Rect. 90° flat elbow	33 Ft.	x (    )	=	Ft.
 3 1/4" x 10" Rect. wall cap with damper	24 Ft. (18 ft. w/o damper)	x (    ) x (    )	= =	Ft. Ft.
 3 1/4" x 10" Rect. to 6" round transition	3 Ft.	x (    )	=	Ft.
 3 1/4" x 10" Rect. to 6" round transition 90° elbow	9 Ft.	x (    )	=	Ft.
 6" Round, 90° elbow	25 Ft.	x (    )	=	Ft.
 6" Round, 45° elbow	16 Ft.	x (    )	=	Ft.
Subtotal column 1			=	Ft.

**MAXIMUM DUCT LENGTH:** For satisfactory air movement, the total duct length of a 3 1/4" x 10" rectangular, 7" diameter round duct should not exceed 65 equivalent feet.

**NOTE:** Any home ventilation system, such as a ventilation hood, may interrupt the proper flow of combustion air and exhaust required by fireplaces, gas furnaces, gas water heaters and other naturally vented systems. To minimize the chance of interruption of such naturally vented systems, follow the heating equipment manufacturer's guidelines and safety standards such as those published by NFPA and ASHRAE. When applicable, install any makeup (replacement) air system in accordance with local building code requirements. Visit [GEAppliances.com](http://GEAppliances.com) for available makeup air solutions.

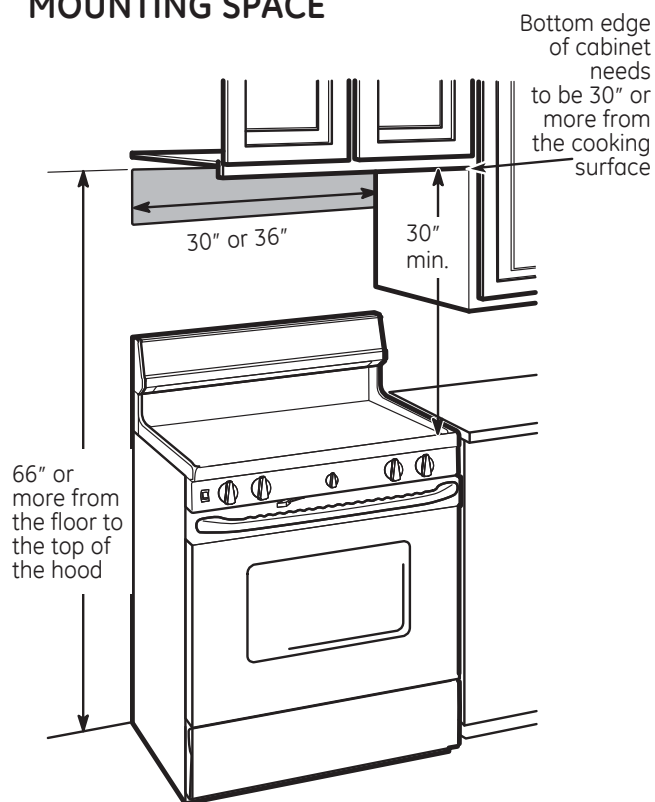
DUCT PIECES	EQUIVALENT LENGTH	NUMBER x USED	=	TOTAL
 6" Round wall cap with damper	53 Ft. (39 ft. w/o damper)	x (    ) x (    )	= =	Ft. Ft.
 6" Round roof cap	72 Ft.	x (    )	=	Ft.
 6" Round to 3 1/4" x 10" rect. transition	3 Ft.	x (    )	=	Ft.
 6" Round to 3 1/4" x 10" rect. transition 90° elbow	9 Ft.	x (    )	=	Ft.
 7" Round, 90° elbow	14 Ft.	x (    )	=	Ft.
 7" Round, 45° elbow	9 Ft.	x (    )	=	Ft.
 7" Round wall cap with damper	28 Ft. (21 ft. w/o damper)	x (    ) x (    )	= =	Ft. Ft.
 7" Round roof cap	39 Ft.	x (    )	=	Ft.
 7" Round to 3 1/4" x 10" rect. transition	1 Ft.	x (    )	=	Ft.
 7" Round to 3 1/4" x 10" rect. transition, 90° elbow	5 Ft.	x (    )	=	Ft.
Subtotal column 2			=	Ft.
Subtotal column 1			=	Ft.
<b>Total ductwork</b>			=	Ft.

# Installation Instructions

## DAMAGE—SHIPMENT/INSTALLATION

- If the unit is damaged in shipment, return the unit to the store in which it was bought for repair or replacement.
- If the unit is damaged by the customer, repair or replacement is the responsibility of the customer.
- If the unit is damaged by the installer (if other than the customer), repair or replacement must be made by arrangement between customer and installer.

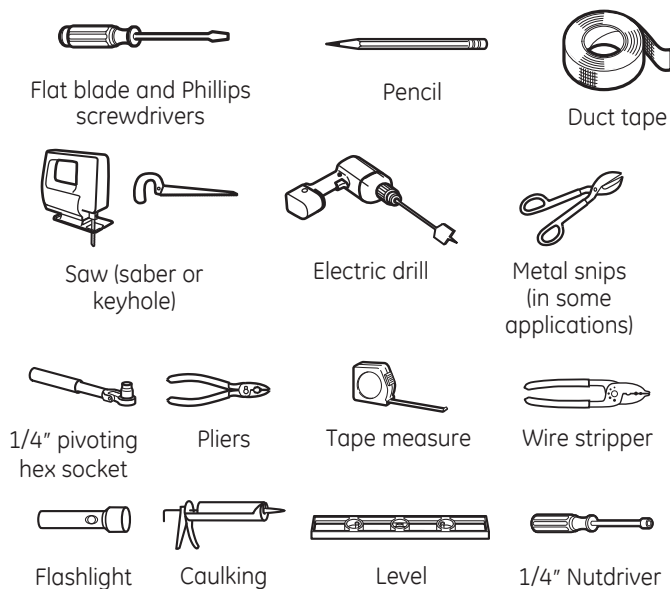
## MOUNTING SPACE



### NOTES:

- This range hood is for installation over ranges up to 36\"
- If you are going to vent your range hood to the outside, see the "Ducting Requirements" section for exhaust duct preparation.

## TOOLS YOU WILL NEED



## PARTS INCLUDED

PART		QUANTITY
	Metal Grease Filters	2
	Mounting Screws	4
	Exhaust Adaptor/Damper (for 3 1/4\"	1
	Exhaust Adaptor Screws	1
	Exhaust Adaptor (for 7\"	1

## PARTS YOU MAY NEED

	Damper for 7\" Round Exhaust Adaptor (Obtain Locally)
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## OPTIONAL ACCESSORIES

These kits can be ordered from your GE supplier.

	Cord Kit—For both 30\"
	Charcoal Filters—JV5 Series only, if recirculating For 30\"

# Installation Instructions

## 1 CHOOSE VENT OPTION

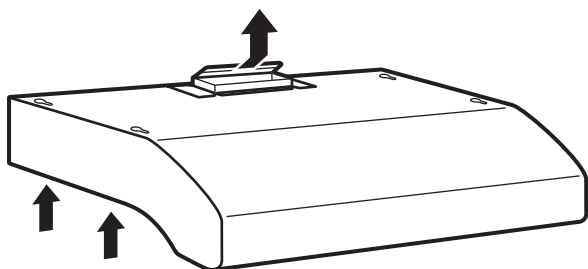
Determine the vent option that your installation will require from the following choices:

The outside vent exhaust option that your installation requires will determine the hood knockouts that you will use.

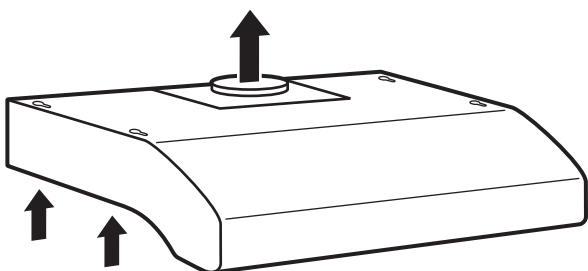
**NOTE:** Only JV5 Series models may be recirculated. The JV6 Series models cannot be recirculated.

**IMPORTANT:** If the hood is to be installed in a recirculating, non-vented ductless manner, do not knock out any vent openings in the hood. Only an electrical access hole will be knocked out of the hood.

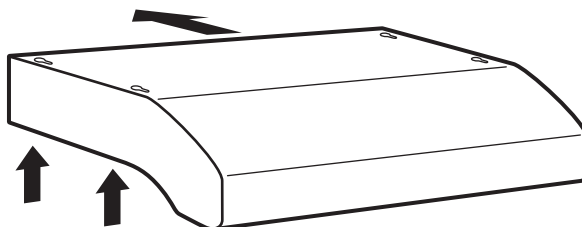
### A Outside top exhaust (Vertical duct—3¼" x 10" Rectangular)



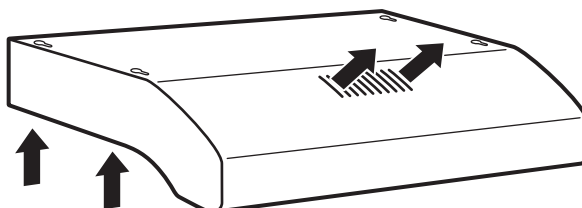
### B Outside top exhaust (Vertical duct—7" Round)



### C Outside rear exhaust (Horizontal duct—3¼" x 10" Rectangular)



### D Recirculating (Non-vented ductless—Optional for JV5 Series models only)

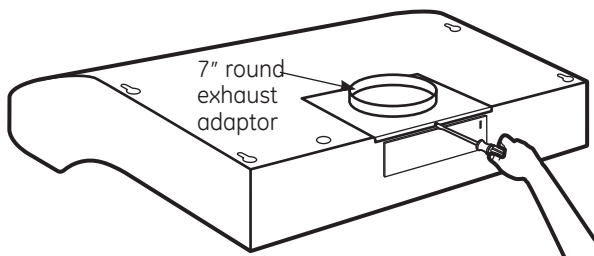


# Installation Instructions

## 2 REMOVE EXHAUST ADAPTOR

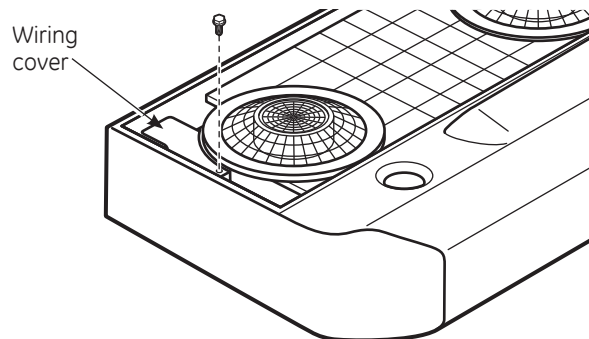
Remove the 7" round exhaust adaptor from the top of the hood. Set it aside along with its mounting screws.

**NOTE:** Save the screws for 3-1/4" x 10" rectangular ducted installation, if that is your chosen venting option.



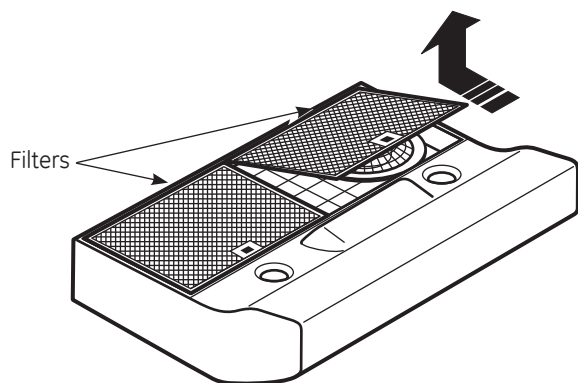
## 4 REMOVE WIRING COVER FROM THE JUNCTION BOX

Remove the **wiring cover** from inside the hood. Set the cover and its mounting screw aside.



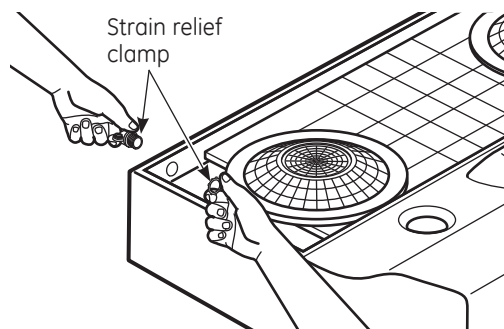
## 3 REMOVE FILTERS

Remove the protective shipping film from the edges of the **metal grease filters**. Press the filter locks back and lift the filters out. Set them aside.



## 5 REMOVE WIRING KNOCKOUT

Remove either the top or the back wiring knockout as needed and install an approved strain relief clamp.



# Installation Instructions

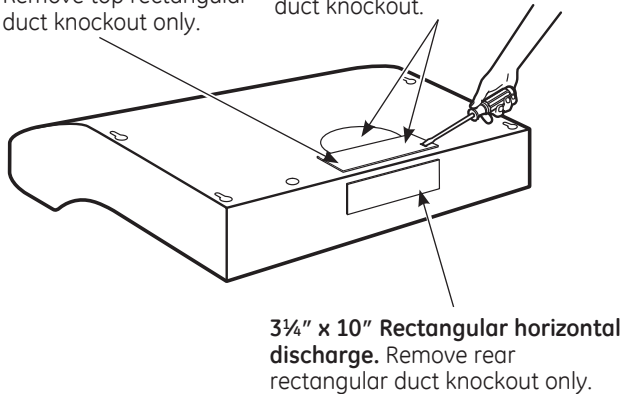
## 6 REMOVE DUCT KNOCKOUT(S)

If recirculating, non-vented ductless (optional for JV5 Series models only), see note below and skip to **Step 9 D and proceed**. The JV6 Series models cannot be recirculated.

Using a flat blade screwdriver, remove the appropriate **duct knockout(s)** from the top or back of the hood.

**3¼" x 10" Rectangular vertical discharge.**  
Remove top rectangular duct knockout only.

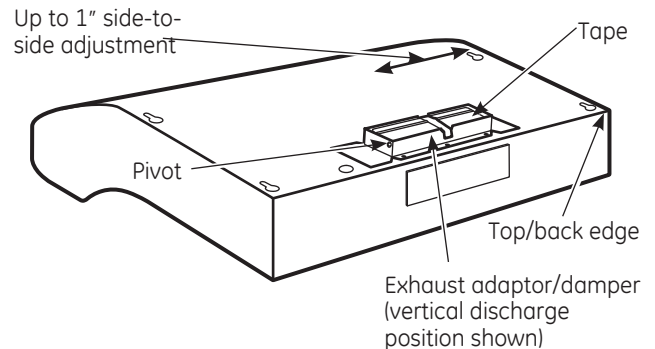
**7" Round vertical discharge.**  
Remove semi-circular duct knockout and top rectangular duct knockout.



**NOTE:** If the hood is to be installed in a recirculating, non-vented ductless manner, order charcoal filters, kit number WB02X10707 for 30" hood models, or kit number WB02X10708 for 36" hood models. These kits can be ordered from your GE supplier. **Skip to Step 9 D and proceed.**

## 7 FOR 3¼" x 10" RECTANGULAR DUCTED DISCHARGE INSTALLATIONS ONLY:

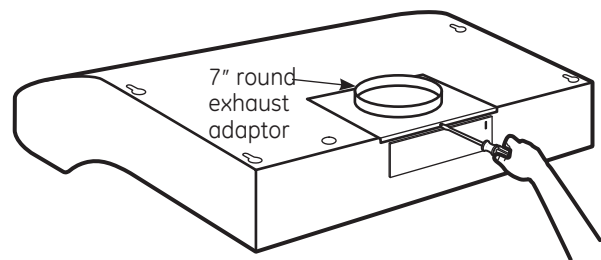
Attach **exhaust adaptor/damper** over knockout opening with two exhaust adaptor screws. Make sure damper **pivot** is nearest to **top/back edge** of hood. Remove **tape** from damper flap.



**NOTE:** The exhaust adaptor/damper can be installed up to 1 inch on either side of the hood center to accommodate off-center ductwork. In extreme off-center installations, one end of the duct connector may need to be trimmed to clear the electrical cable clamp.

## 8 FOR 7" ROUND VERTICAL DUCTED DISCHARGE INSTALLATIONS ONLY:

Re-install the 7" **round exhaust adaptor** with its screws, removed in Step 2 under the "Prepare the Hood" section.



**NOTE:** The 7" round exhaust adaptor can be installed up to 1 inch on either side of the hood center to accommodate off-center ductwork. In extreme off-center installations, one end of the duct connector may need to be trimmed to clear the electrical cable clamp.

**NOTE:** The 7" round damper is not included with this product. It can be purchased as a kit by calling 800.626.2002. Order kit number JXDA22.

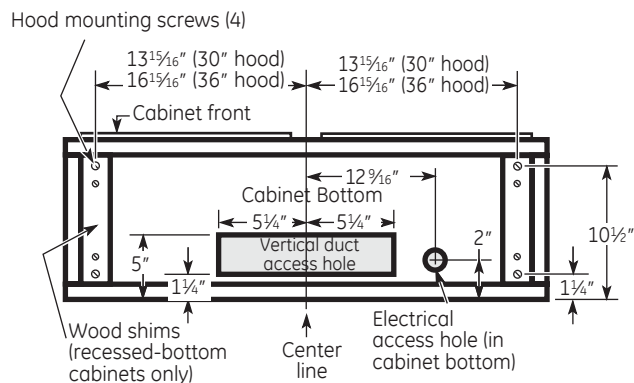
# Installation Instructions

## 9 MARK HOLES

Select the vent option that your installation will require and proceed to that section:

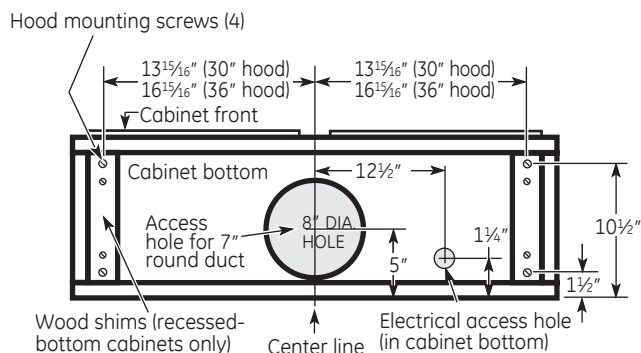
### A. Outside top exhaust (Vertical duct-3 $\frac{1}{4}$ " x 10" Rectangular)

- Use the diagram or the hood as a template and mark the locations on the cabinet for ductwork, electrical wiring and keyhole screw slots.



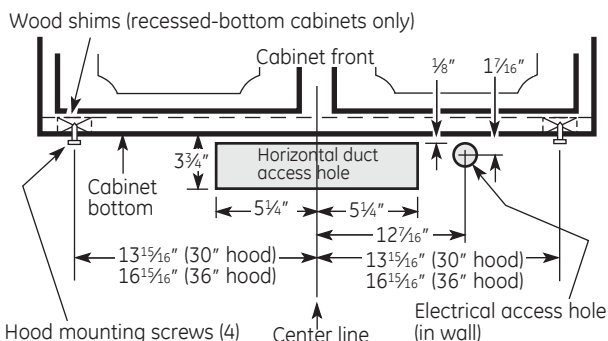
### B. Outside top exhaust (Vertical duct-7" Round)

- Use the diagram or the hood as a template and mark the locations on the cabinet for ductwork, electrical wiring and keyhole screw slots.



### C. Outside rear exhaust (Horizontal duct-3 $\frac{1}{4}$ " x 10" Rectangular)

- Use the diagram or the hood as a template and mark the locations on the cabinet for ductwork, electrical wiring and keyhole screw slots.



## D. Recirculating (non-vented ductless-- Available on JV5 Series models only)

- Use the hood as a template and mark the locations on the cabinet for the electrical wiring and keyhole screw slots.
- Since the hood is to be recirculated (not to be vented outside), do not cut out any vent openings in the wall or cabinet bottom.

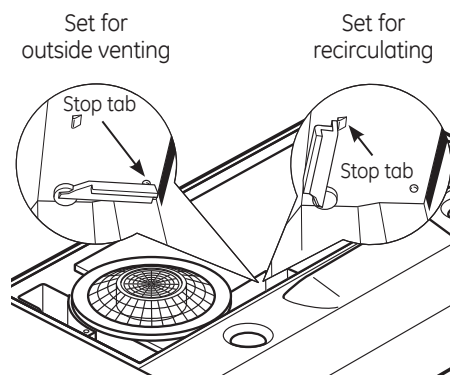
## 10 CHOOSE VENTING OPTION (for JV5 Series models only)

The hood can be set to vent outside or to recirculate air back into the kitchen.

The plastic vent lever is located near the center of the hood opening.

- To vent to the outside**, make sure the plastic vent lever is in the **HORIZONTAL** position (flat against the metal top of the hood).
- To recirculate air into the kitchen**, make sure the plastic vent lever is in the **VERTICAL** position (flat against the plastic blower housing).

**NOTE:** In order to change the vent lever position, you will need to pull the lever out slightly to clear the plastic tabs.

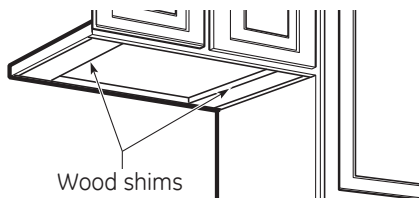


Hood shown lying upside down



# Installation Instructions

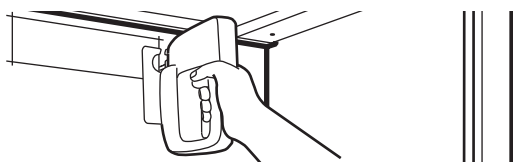
## 11 FOR RECESSED-BOTTOM CABINETS ONLY



- If the cabinets have front, side or back trim, make 2 wood shims the width of the trim and attach them to the cabinet bottom recess on both sides. See Step 9 for marking locations.

## 12 CUT HOLES

Cut holes at marked locations for duct and electrical wiring. For the vertical duct, cut out  $3/4$ " extra toward the front of the cabinet so you can move the duct freely when installing the hood. It may also ease installation by cutting the hole  $10\frac{1}{2}$ " instead of 10".



## 13 RUN WIRES

Run the electrical wires through the wall or cabinet according to National Electrical Code and applicable local codes.

**NOTE:** DO NOT turn the power on until installation is complete.

## 14 SCREW IN PARTWAY

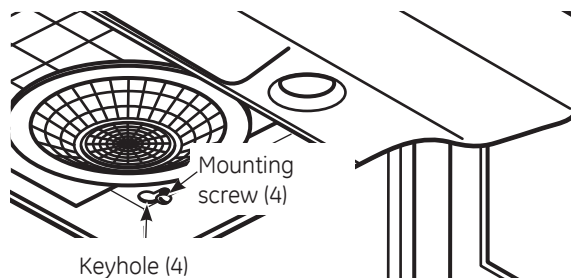
Drive a mounting screw (from the hardware packet) partway into each center of the narrow neck of the keyhole slots marked on the cabinet bottom.

## 15 FEED IN WIRES

Lift the hood into position and feed the house wiring through the wiring knockout.

## 16 SECURE HOOD

Slide the hood back against the wall. Tighten the mounting screws. Be sure the screw heads are in the narrow neck of the keyhole slot.

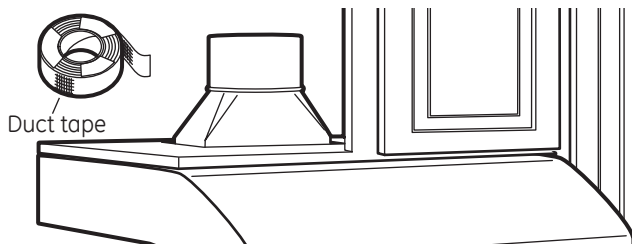




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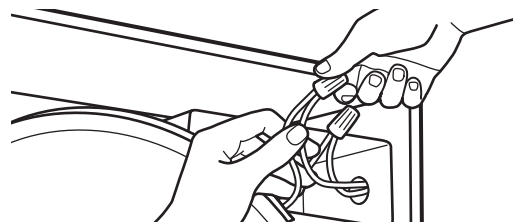
## 17 CONNECT DUCTWORK TO HOOD

Use duct tape to make joints secure and air tight.



## 20 CONNECT WIRING

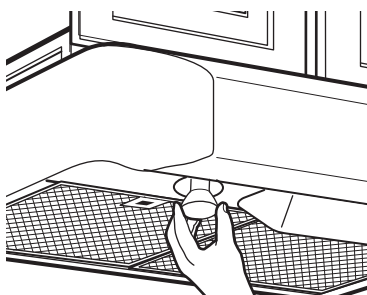
Connect house black to hood black wire, house white to hood white wire, and house ground to hood green/yellow wire. Securely tighten the strain relief clamp onto the house wiring.



## 18 INSTALL LIGHT BULBS

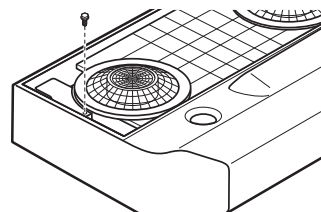
Purchase and install two PAR20, 50 W maximum halogen bulbs. Light bulbs are not included with the hood.

**⚠ WARNING:** To reduce the risk of electric shock, do not connect electrical power to the hood without both bulbs in place.



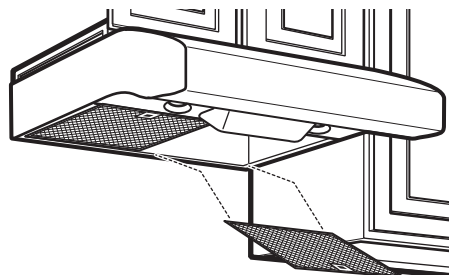
## 21 REPLACE WIRING COVER

Replace the wiring cover.



## 22 REPLACE FILTERS

The installation is complete. Turn on power at service panel, and test for proper operation.



## 19 FOLLOW ELECTRICAL CODE

Complete the electrical wiring according to National Electrical Code and local codes.

**NOTE:** This hood must be permanently grounded. Connect **house wiring** (120 VAC) to hood wiring.

## TROUBLESHOOTING CHECKLIST

If the hood seems to be operating at high speed when the control is not set on high, or if ventilation seems inadequate, check the following:

- ☐ Knockouts not removed from hood.
- ☐ Damper blade not opening.
- ☐ Reduced airflow because the duct is too small or the duct length is too long.
- ☐ The duct is blocked.
- ☐ Undersized or restrictive wall or roof cap.