

Installation Instructions

Range Hood

? “If you have questions, call GE Appliances at 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 vent hood requires basic mechanical and electrical skills.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.

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.

OPTIONAL POWER CORD KIT JXHC1

An optional Power Cord Connection Kit, model JXHC1, is available at extra cost from your GE Appliances supplier for installation using a standard 3-prong, grounded wall outlet. Follow the Installation Instructions packed with the kit to connect the power cord to the range hood.

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.

Exhaust connection:

The hood exhaust has been designed to mate with standard 3 1/4" 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.

Duct length:

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

- Plan the route for venting exhaust to the outdoors. To maximize the ventilation performance of the vent system:
 1. Minimize the duct run length and number of transitions and elbows.
 2. Maintain a constant duct size.
 3. Seal all joints with duct tape to prevent any leaks.
 4. Do not use any type of flexible ducting.
- Install a wall cap or roof cap with damper at the exterior opening. Purchase the wall or roof cap and any transition and length of duct needed in advance.



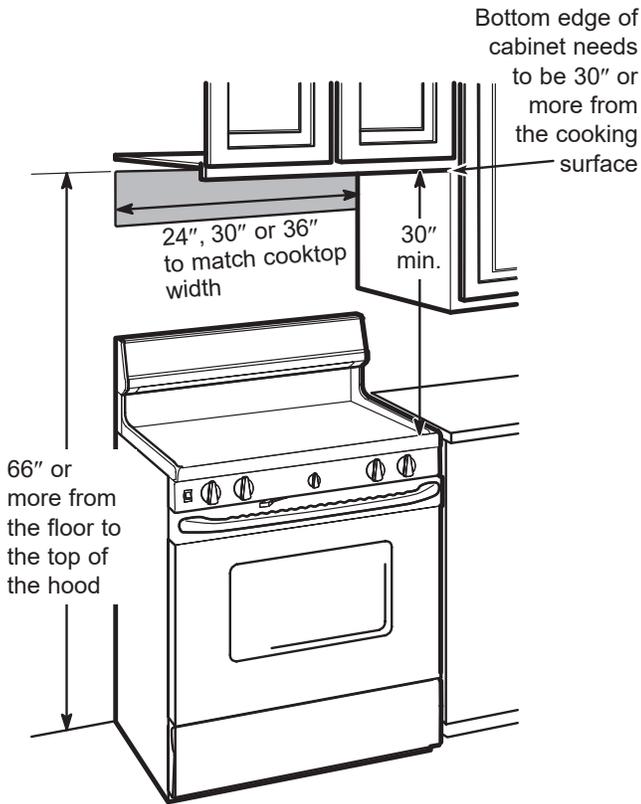
* **IMPORTANT:** If a rectangular-to-round transition adaptor is used, the bottom corners of the damper will have to be cut to fit, using the tin snips, in order to allow free movement of the damper. Equivalent lengths of duct pieces are based on actual tests and reflect requirements for good venting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

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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:

- Hood width may be greater than the width of the range or cooktop, but it may not be smaller.
- Ensure the range or cooktop is installed per manufacturer's installation instructions.
- If you are going to vent your range hood to the outside, see the "Ducting Requirements" section for exhaust duct preparation.
- The hoods are designed to fit 12" deep cabinets. When installed onto 15" deep cabinets, a filler panel accessory is available: Order **JXS50SS** for 30" wide hoods or **JXS56SS** for 36" wide hoods.

TOOLS YOU WILL NEED



PARTS INCLUDED

PART	QUANTITY
 Grease Filter only (JV338)	1
 Charcoal Filter only (JN327, JN328 and RN328)	1
 Grease Filter and Charcoal Filter (JV24X, JV347, JV348, JV367 and AV447)	2
 Mounting Screws (8 - 18" x 3/4" Phillips pan head)	4
 Exhaust Adaptor (for 3 1/4" x 10" rect. venting)	1
 Exhaust Adaptor Screw (8 - 18" x 3/8" Phillips pan head or hex head)	1

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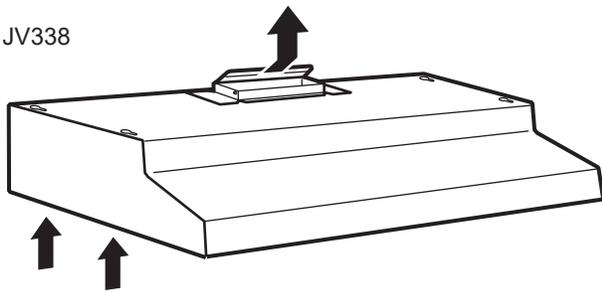
1 CHOOSE VENT OPTION

Determine the vent option that your installation will require and that is available for your model from the below choices.

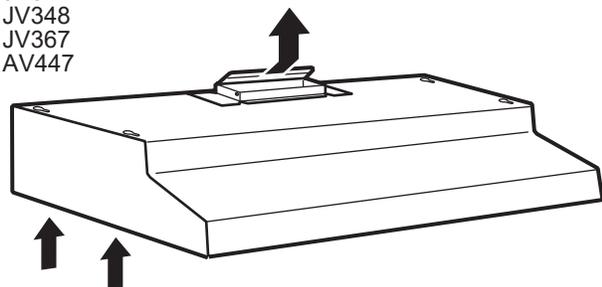
IMPORTANT: If the hood is to be installed in a recirculating, non-vented, ductless manner, do not knock out any vent openings in the hood. Only an electrical access hole will be knocked out of the hood.

A Outside top exhaust (Vertical duct-3-1/4" x 10" Rectangular)

JV338

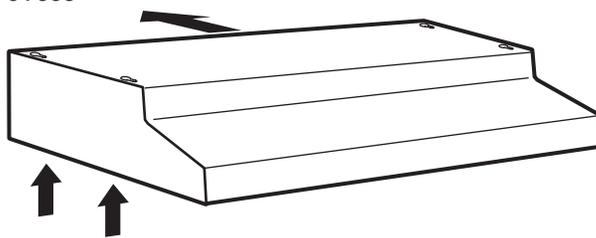


JV247
JV248
JV347
JV348
JV367
AV447

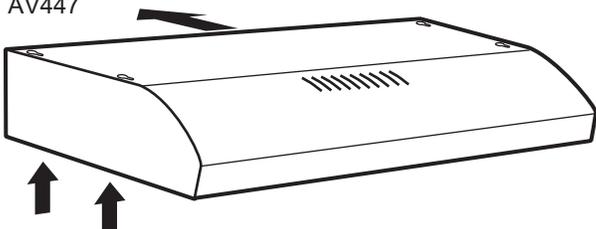


C Outside rear exhaust (Horizontal duct-3-1/4" x 10" Rectangular)

JV338

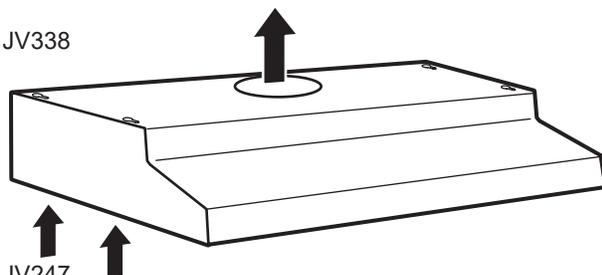


JV247
JV248
JV347
JV348
JV367
AV447

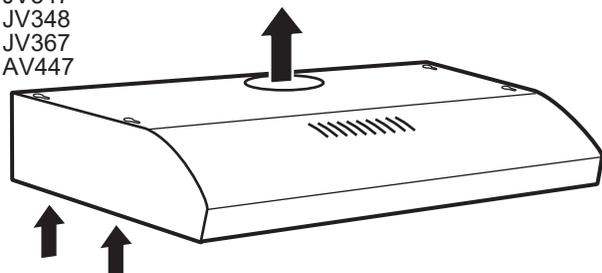


B Outside top exhaust (Vertical duct-7" Round)

JV338

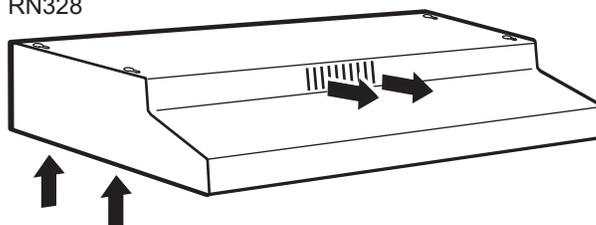


JV247
JV248
JV347
JV348
JV367
AV447

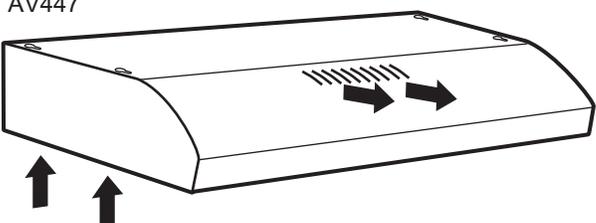


D Recirculating (non-vented/ductless)

JN327
JN328
RN328



JV247
JV248
JV347
JV348
JV367
AV447

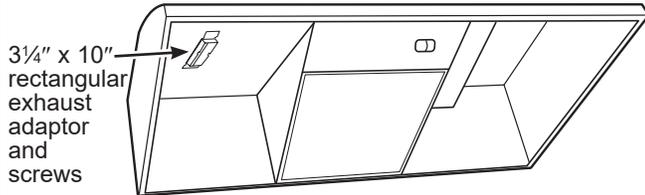


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2 REMOVE EXHAUST ADAPTOR

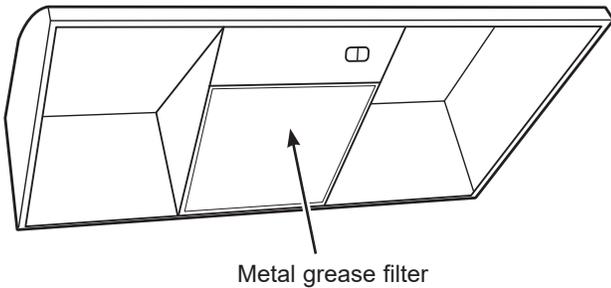
If exhausting/venting using the 3 1/4" x 10" rectangular duct—optional for JV247, JV248, JV338, JV347, JV348, JV367 and AV447 models only:

Remove the exhaust adaptor from the inside of the hood. Set it aside along with its mounting screws.



3 REMOVE FILTER

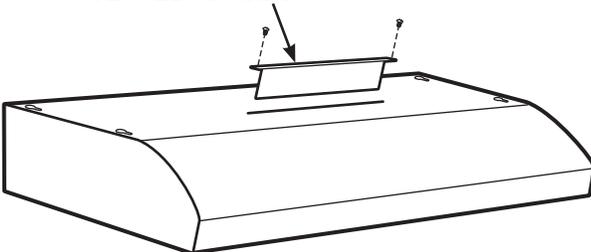
Remove the shipping tape holding the metal grease filter in place. Pull down on the center of the front edge of the filter. The filter will then slip out of the retaining tabs on the back.



4 REVERSE THE BAFFLE FOR DUCTED INSTALLATIONS ONLY (JV247, JV248, JV347, JV348, JV367 and AV447 models)

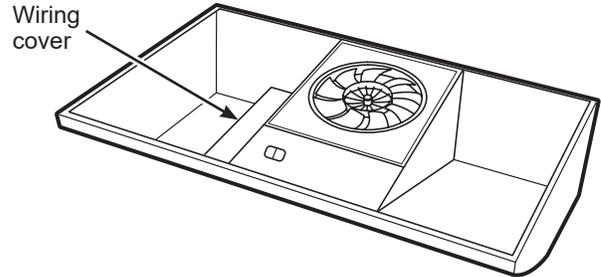
If the hood is to be recirculated, skip to the next step. Remove the baffle from the top of the hood. Reinstall the baffle so the short side marked "VENTED" is visible. The long side of the baffle should be inside the hood.

"VENTED" is visible



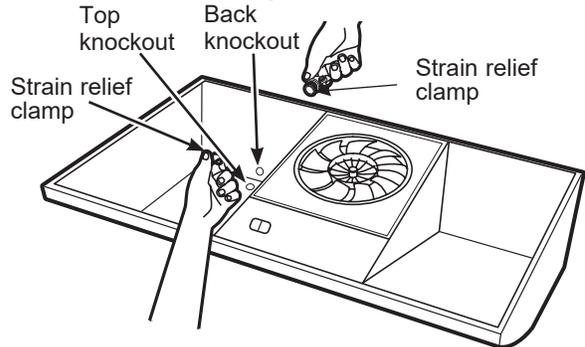
5 REMOVE WIRING COVER

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



6 REMOVE WIRING KNOCKOUT

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

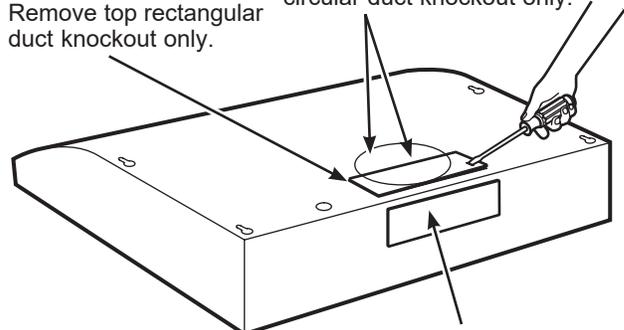


7 REMOVE DUCT KNOCKOUT

If recirculating, non-vented ductless (JN327, JN328 and RN328, and optional for JV247, JV248, JV347, JV348, JV367 and AV447 models only), skip to Step 11 D and proceed. Using a flat-blade screwdriver, remove the appropriate duct knockout from the top or back of the hood.

3 1/4" x 10" Rectangular vertical discharge. Remove top rectangular duct knockout only.

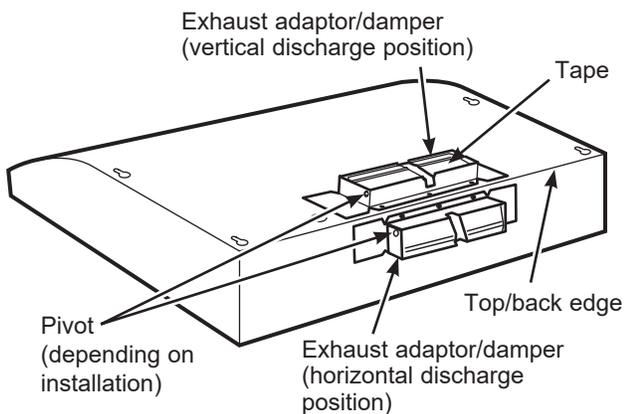
7" Round vertical discharge. Remove circular duct knockout only.



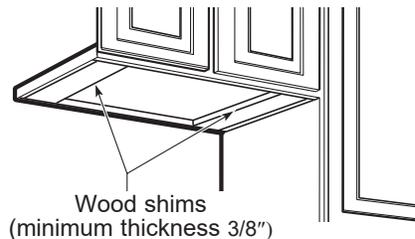
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8 FOR 3-1-4" X 10" RECTANGULAR DUCTED DISCHARGE INSTALLATIONS ONLY:

Attach **exhaust adaptor/damper** over the appropriate knockout opening (for vertical or horizontal, depending on installation) with two exhaust adaptor screws. Make sure damper **pivot** is nearest to **top/back edge** of hood. Remove **tape** from damper flap.



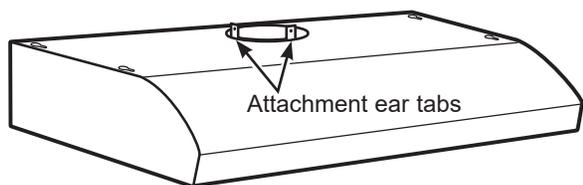
10 FOR RECESSED-BOTTOM CABINETS ONLY



If the cabinets have front, side or back trim, make 2 wood shims a minimum of 3/8" thick and cut to fit the width of the inner recessed cabinet bottom. Attach them to the cabinet bottom recess on both sides. See Step 11 for marking locations.

9 FOR 7" ROUND VERTICAL DUCTED DISCHARGE INSTALLATIONS ONLY:

Bend up the duct alignment ears in preparation for later attachment of the 7" duct.



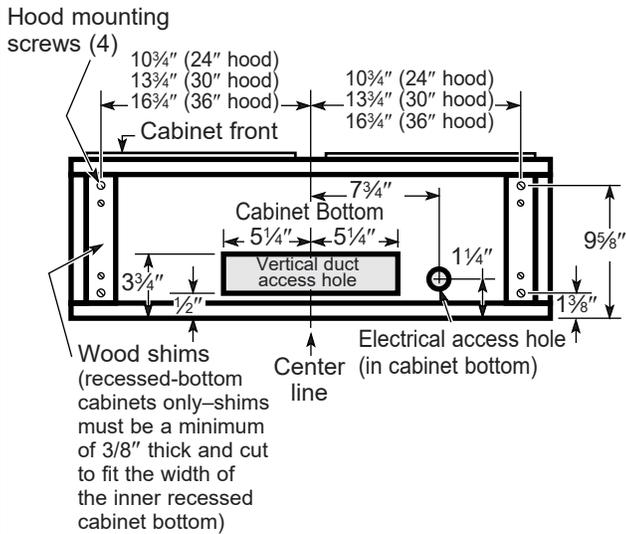
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11 MARK HOLES

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

A Outside top exhaust (Vertical duct—3-1/4" x 10" Rectangular)

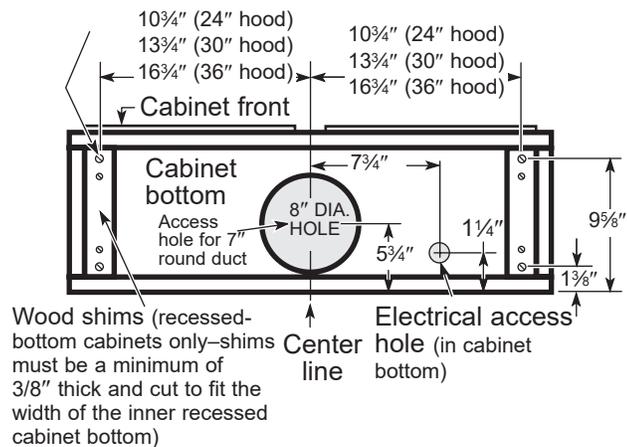
Use the diagram or the hood as a template and mark the locations on the cabinet for ductwork, electrical wiring and keyhole screw slots.



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.

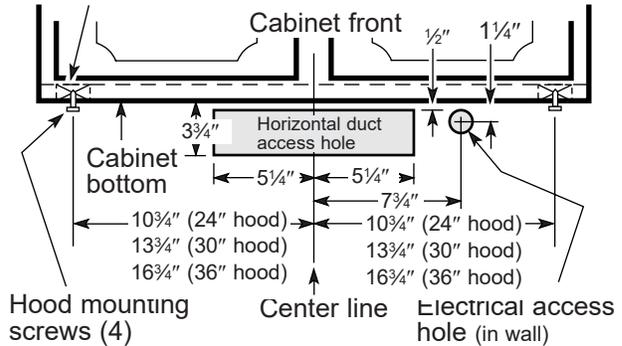
Hood mounting screws (4)



C Outside rear exhaust (Horizontal duct—3-1/4" 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.

Wood shims (recessed-bottom cabinets only—shims must be a minimum of 3/8" thick and cut to fit the width of the inner recessed cabinet bottom)

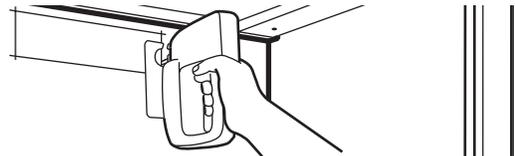


D Recirculating (non-vented ductless—JN327, JN328 and RN328, and optional on JV247, JV248, JV347, JV348, JV367 and AV447 models only)

- 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.

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 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.

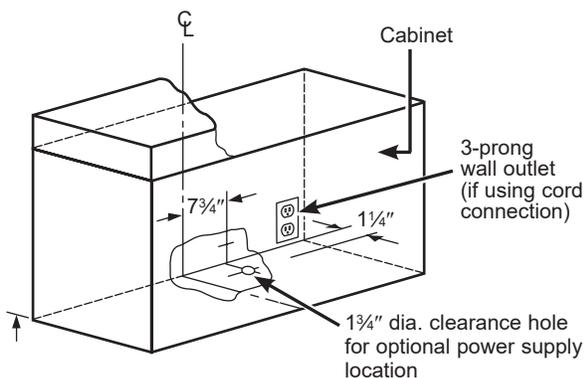
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14 SCREW IN PART WAY

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

15 OPTIONAL POWER CORD KIT JXHC1

An optional Power Cord Connection Kit, model JXHC1, is available at extra cost from your GE Appliances supplier for installation using a standard 3-prong, grounded wall outlet. Follow the Installation Instructions packed with the kit to connect the power cord to the range hood.



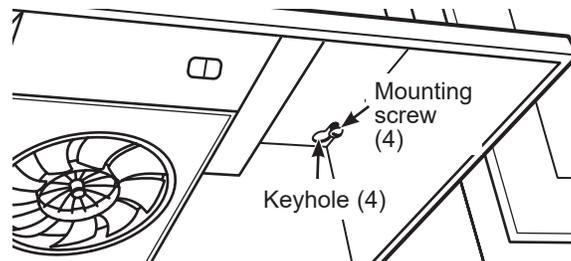
NOTE: If using optional Power Cord Kit JXHC1, feed the power cord through the hole in the top cabinet while raising the hood. Loop any excess length of cord and tie away with a suitable tape or tie.

16 FEED IN WIRES

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

17 SECURE HOOD

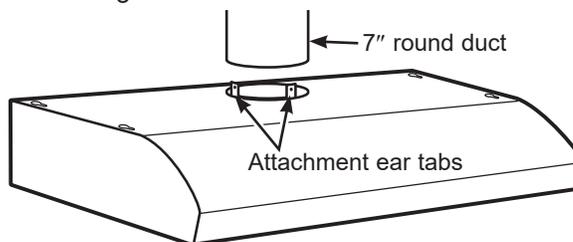
Slide the hood back against the wall. Tighten the mounting screws. Be sure the screw heads are in the narrow neck of the keyhole slot.



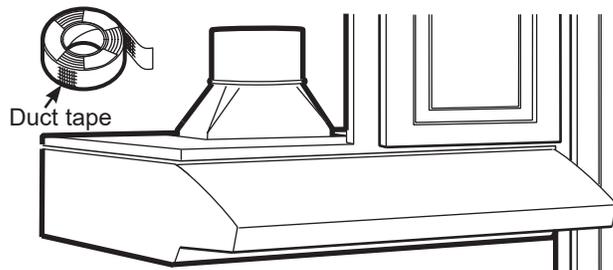
NOTE: DO NOT PUSH ON THE FAN BLADE. Pushing on the blade may cause it to interfere with other hood parts.

18 CONNECT DUCTWORK TO HOOD (Ducted installations only)

On 7" round installations, attach the 7" duct with sheet metal screws through the holes in the alignment ears.



Use duct tape to make joints secure and airtight.

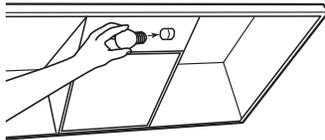


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19 INSTALL LIGHT BULB

NOTE: A light bulb is not shipped with the hood. Obtain one locally. Purchase and install a type **A15** incandescent light bulb with an ordinary screw base, not more than 60 Watts, or a type **A17** or **T2** Compact Fluorescent (CFL) light bulb with an ordinary screw base, **not more than 13 Watts**. **NOTE:** Use only incandescent bulbs in models RN328, JN327, JN328 and JV338.

IMPORTANT: For installation, handling and disposal precautions, refer to the fluorescent bulb packaging literature.



When using an energy saving bulb in your GE Appliances hood, make sure you use either:



GE Long Life Energy or Smart™ Spiral® T2
Product Code: 85383
Description: FLE13HT2/2/SW/CD



GE Long Life Energy Smart™ A17
Product Code: 47486
Description: FLE11/2/A17XL/CD

Available at gelighting.com

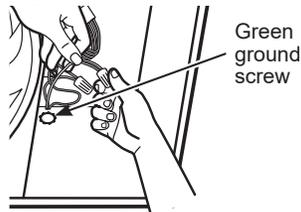
20 FOLLOW ELECTRICAL CODE

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.

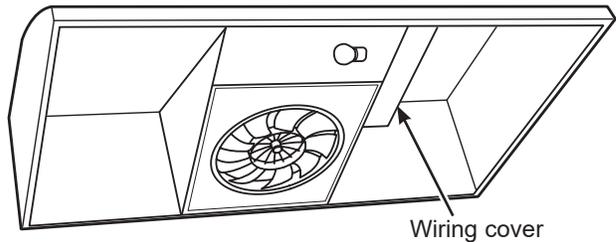
21 CONNECT WIRING

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



⚠ WARNING IMPROPER CONNECTION OF ALUMINUM HOUSE WIRING TO THESE COPPER LEADS CAN RESULT IN A SERIOUS PROBLEM. USE ONLY CONNECTORS DESIGNED FOR JOINING COPPER TO ALUMINUM AND FOLLOW THE MANUFACTURER'S RECOMMENDED PROCEDURE CLOSELY.

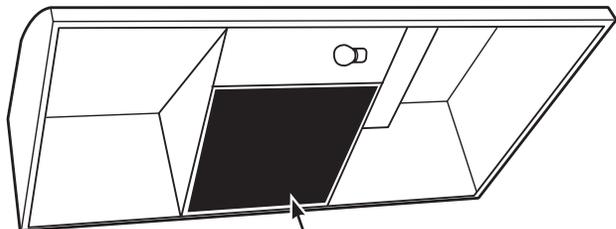
22 REPLACE WIRING COVER



Wiring cover

23 REPLACE FILTER

Make sure fan blade turns freely and replace the filter. **NOTE:** Install the metal grease filter if ducted or the charcoal filter if recirculated.



Metal grease filter or charcoal filter

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

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.

If the hood seems to make excessive noise:

- Fan may be hitting the filter. Turn off the fan and remove the filter. Bend the filter down slightly in the center (into a dome shape) to allow fan clearance. Reinstall and adjust as needed.

The fan does not work but the lights do:

- Switch power off at the 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.
- Check the wiring connections. See the CONNECT WIRING section in these Installation Instructions.

Troubleshooting tips ... Before you call for service

Save time and money! Review the charts on the following pages first and you may not need to call for service.

Problem	Possible Cause	What To Do
Fan/Light does not operate	A house fuse may be blown or a circuit breaker tripped.	Replace fuse or reset circuit breaker.
Loud or abnormal airflow noise	Wrong duct size used in installation.	Using smaller duct pipe will cause reduced venting. Minimize the duct run length and number of transitions and elbows. GE Appliances service technicians cannot correct this issue if installed improperly.
Fan fails to circulate air or moves air slower than normal and/or fan is making loud or abnormal airflow noise	Obstructions in duct work.	Make sure nothing is blocking the vent. Make sure your wall or roof cap has a blade or door.
	Damper blade on wall or roof cap may not be open.	Make sure damper swings freely. Damper blades may flip over and will not fully open when this happens. Adjust to original position.
	Metal grease filter and charcoal filter (if present) may be dirty.	Clean the metal grease filter and replace charcoal filter (if present). See Care and Cleaning of the Vent Hood.
	Insufficient makeup (replacement) air	Sufficient makeup (replacement) air is required for exhausting appliances to operate to rating. Check with local building codes, which may require or strongly advise the use of makeup air. Visit GEAppliances.com for available makeup air solutions.
Early light failure	Light wattage is too high.	Replace with correct wattage.

Notes
