

Installation Instructions

Range Hoods

? "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.
- **Completion time** – Approximately 1 to 3 hours
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.

⚠ CAUTION

Due to the weight and size of these vent hoods and to reduce the risk of personal injury or damage to the product, **TWO PEOPLE ARE REQUIRED FOR PROPER INSTALLATION.**

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.

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- A. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- B. 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), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and the local code authorities.
- C. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- D. Ducted fans must always be vented to the outdoors.
- E. Turn off breaker to adjacent rooms while working.

⚠ WARNING

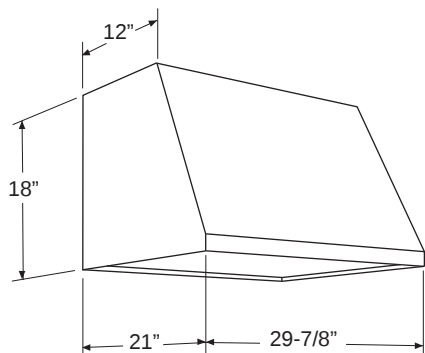
TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCT WORK.

⚠ WARNING

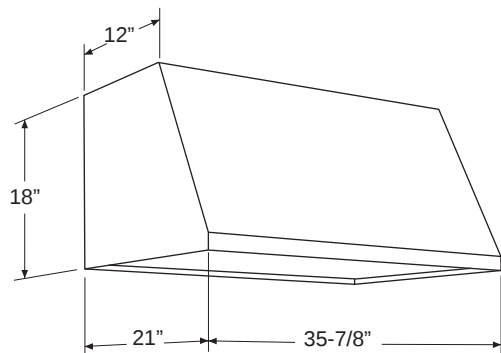
Disconnect all electrical power at the main circuit breaker or fuse box before installing.

Installation Preparation

PRODUCT DIMENSIONS



30" Models
Requires a 30" opening.



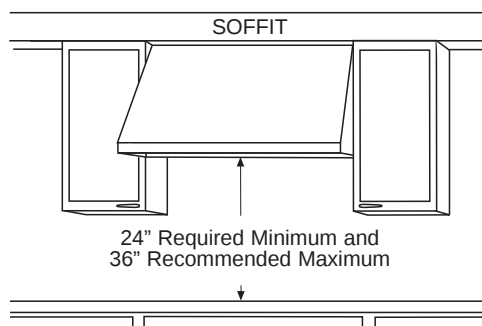
36" Models
Requires a 36" opening.

INSTALLATION CLEARANCES

These vent hoods are designed to be installed onto a wall. They may be installed beneath a soffit or cabinet.

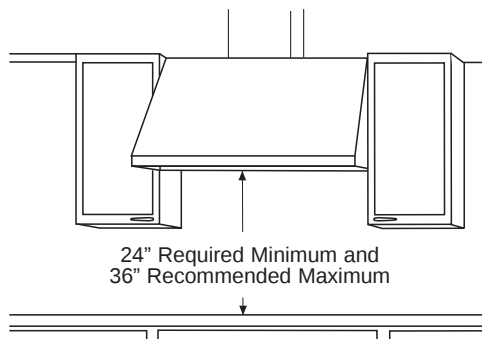
- The hoods are designed to fit 12" deep cabinets. When installed onto 15" deep cabinets, a filler panel accessory is available: Order **JXS50SS** for 30" wide hoods or **JXS56SS** for 36" wide hoods.
- Install these hoods 24" required minimum and 36" recommended maximum above the cooking space.

SOFFIT INSTALLATION



In this installation, the ductwork running from the top of the hood will be concealed in the soffit or upper cabinetry.

WALL MOUNT INSTALLATION



For this installation, a decorative duct cover is available to conceal the ductwork running from the top of the hood. Use of the duct cover requires special consideration to the installation height above the countertop. See page 12 for details.

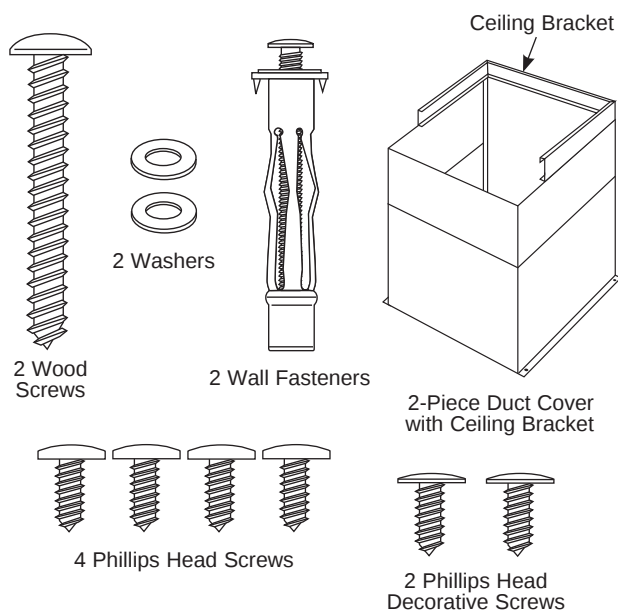
Installation Preparation

OPTIONAL ACCESSORIES

Duct Cover

A decorative duct cover is available to accommodate 8 to 10 ft. ceiling heights. The duct cover will expand from 12" minimum or 24" to 36" maximum height.

- The duct cover conceals the ductwork running from the top of the hood to the ceiling.
- The duct cover accessory fits both 30" and 36" wide models. Order the duct cover accessory at the same time as the vent hood. All accessories should be on site at the time of hood installation. Order **JXCHSS**.



ADVANCE PLANNING

Duct Install Planning

- This hood may be vented vertically through upper cabinets, soffit or ceiling. A duct transition piece is supplied for vertical exhaust. Use locally supplied elbows to vent horizontally through the rear wall.
- Use metal ductwork only.
- Determine the exact location of the vent hood.
- 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.
- Use the shortest and straightest duct route possible.
- Install a wall cap or roof cap with damper at the exterior opening. Order the wall or roof cap and any transition needed in advance.
- When applicable, install any makeup (replacement) air system in accordance with local building code requirements. Visit **GEAppliances.com** for available makeup air solutions.

Wall Framing for Adequate Support

- This vent hood is heavy. Adequate structural support must be provided. The hood must be secured to vertical studs in the wall. See page 14.
- We strongly recommend that the vent hood with duct cover be on site before final framing and wall finishing. This will also help to accurately locate the ductwork and electrical service.

Installation Preparation

DECORATIVE DUCT COVERS

A decorative duct cover is available to fit both model widths. The duct cover conceals the ductwork running from the top of the hood to the ceiling or soffit. The duct cover will fit 8 ft. to 10 ft. ceiling heights. See page 12 for details.

POWER SUPPLY

IMPORTANT – (Please read carefully)

⚠ WARNING

FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED.

Remove house fuse or open circuit breaker before beginning installation.

Do not use an extension cord or adapter plug with this appliance. Follow National Electrical Codes or prevailing local codes and ordinances.

Electrical supply

These vent hoods must be supplied with 120V, 60Hz, and connected to an individual, properly grounded branch circuit, and protected by a 15 or 20 amp circuit breaker or time delay fuse.

- Wiring must be 2 wire with ground.
- If the electrical supply does not meet the above requirements, call a licensed electrician before proceeding.
- Route house wiring as close to the installation location as possible in the ceiling or wall.
- Connect the wiring to the house wiring in accordance with local codes.

Grounding instructions

The grounding conductor must be connected to a ground metal, permanent wiring system, or an equipment-grounding terminal or lead on the hood.

⚠ WARNING

The improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded.

**This Hood Must Use 7" Round Duct.
It Can Transition To 3-1/4" x 12" Duct.**

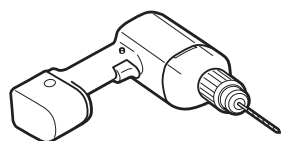
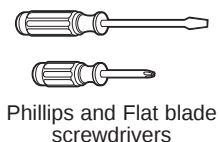
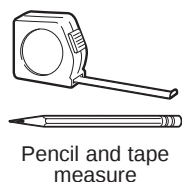
Do NOT use flexible plastic ducting.

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 for available makeup air solutions.

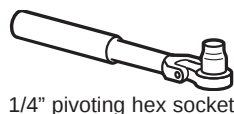
**Using a smaller diameter duct size
will reduce performance.**

Installation Preparation

TOOLS AND MATERIALS REQUIRED (NOT SUPPLIED)



Electric drill with 1/8" and 3/8" bits



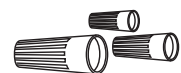
1/4" pivoting hex socket



Safety glasses



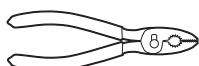
Spirit level



UL Listed Wire nuts



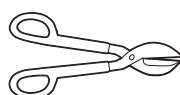
Flashlight



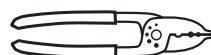
Pliers



Hammer



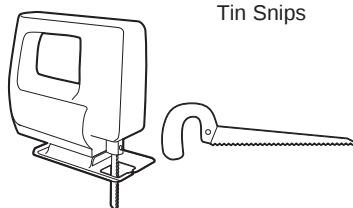
Tin Snips



Wire Cutter/Stripper



Ladder



Saber saw or Key Hole Saw

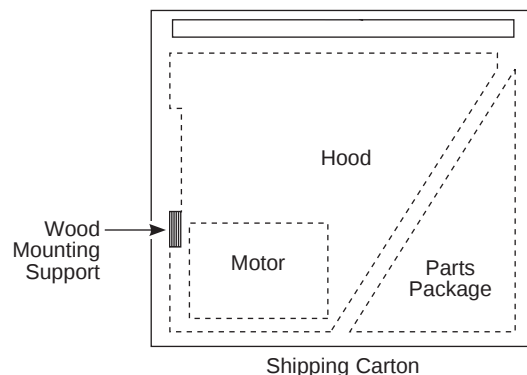


Allen Wrench

Additional Materials:

- 120V 60Hz, 15 or 20 Amp, 2 wire with ground. Properly grounded branch circuit.
- Strain relief for junction box.
- 7" round metal duct or 3-1/4" x 12" rectangular duct length to suit installation.

REMOVE THE PACKAGING

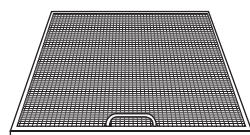


- Remove the small box housing the motor.
- Lift the hood out of the box.
- Remove shipping screws holding the wood mounting piece to the back side of the hood. Set aside wood mounting piece and screws for later installation. Do not discard.
- Remove the "V" shaped carton insert.
- Remove parts package from the "V" shaped cardboard insert.
- Remove junction box cover and knockout.
- Install strain relief onto back or top of hood.
- Remove all tape and packing material from the hood, duct transition and motor.

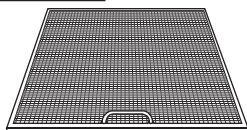
Installation Preparation

PARTS PROVIDED

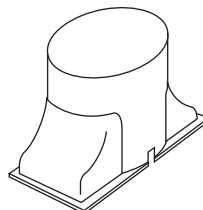
Locate the hardware accessory box packed with the hood and check contents.



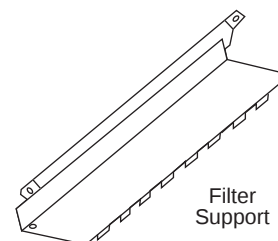
2 Aluminum Grease Filters



Screws, wall fasteners, washers



Duct Transition with Damper



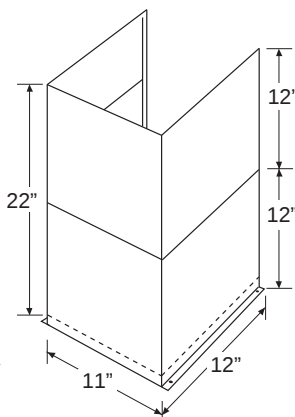
Filter Support

DUCT COVER REQUIREMENTS

We recommend that the vent hood and decorative duct cover (if used) be on site before final framing and wall finishing. This will help to accurately locate studs, ductwork, and electrical service. Read these instructions to determine if the duct cover accessory can be used for your installation situation.

Duct Cover Accessory:

- Use the decorative duct cover to conceal ductwork running from the top of the hood to the ceiling.
- The duct cover accessory consists of 2 pieces. The outside piece is 12" high, the inside piece is 22". Nested together they are 24" minimum expanding to a total maximum height of 34".
- The outside piece can be used alone to fill a 12" height.
- For heights over 12", the ceiling bracket must be installed to secure the cover at the top.



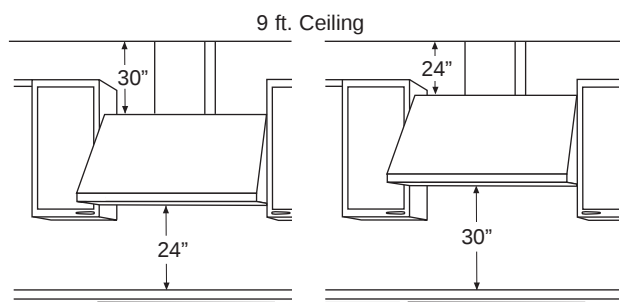
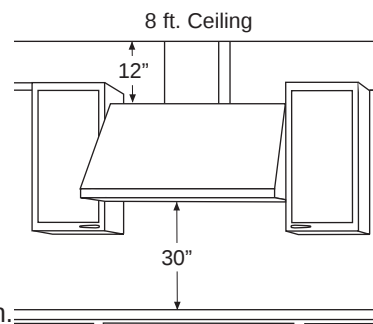
To avoid unsightly gaps, plan the hood installation height for duct cover use.

- The cover will fit a 12" minimum height from the top of the hood to the ceiling or 24" minimum and expanding up to 34" from the top of the hood to the ceiling.

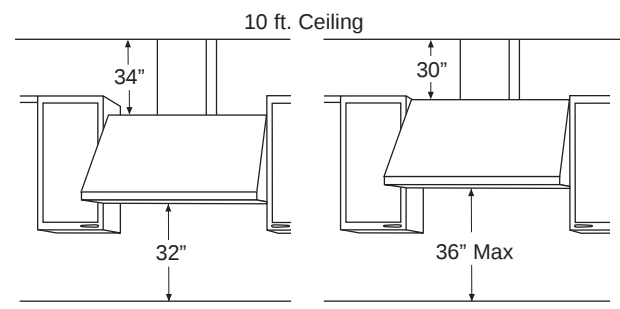
THE DUCT COVER CANNOT BE USED WHEN THE DISTANCE ABOVE THE TOP OF THE HOOD IS BETWEEN 12" AND 24".

Review the following examples to ensure a trouble free installation using the duct cover accessory.

8ft. Ceilings: The hood must be installed at 30" above the cooking surface (or 66" above the floor). the duct cover will not fit if the hood is installed at a lower or higher height. Use the outside 12" section, discard the inside section.



9 ft Ceiling: Install the hood 24" min. and up to a maximum of 30" above the cooking surface. The duct cover will expand to reach ceiling height.



10 ft. Ceiling: Install the hood 32" min to 36" max. above the cooking surface. The duct cover will expand to a maximum of 34" above the top of the hood to meet the ceiling.

Installation Preparation

DETERMINE HOOD, DUCTWORK AND WIRING LOCATIONS

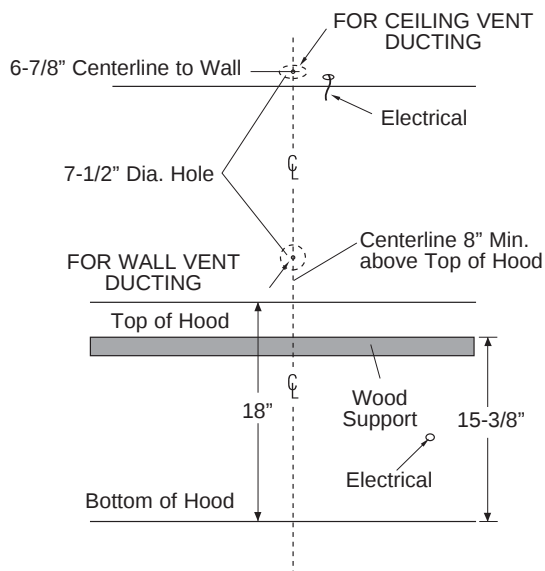
- Keep the wood support piece and its screws for later installation. Do not discard.
- Measure desired distance from the bottom of the hood to the cooking surface, 24" required minimum and 36" recommended maximum. Refer to the previous page if the accessory duct cover will be used.
- Use a level to draw a horizontal line indicating the bottom of the hood.
- Use a level to draw the cooktop centerline location.
- Measure 15-3/8" up from the horizontal line for the bottom of the hood. Draw another horizontal line.
- Measure 18" up from the line for the bottom of the hood, draw another horizontal line to indicate the top of the hood.

For Vertical (Straight Up) Ducting:

- If venting out the ceiling, extend the centerline forward on the ceiling.
 - Measure 6-7/8" from drywall to mark centerline for a 7-1/2" diameter duct hole on the ceiling.
 - If drywall is not present, add drywall thickness to the 6-7/8" dimension.

Venting Through a Soffit or Upper Cabinet:

- Follow the same procedure for ceiling ducting to cut the 7-1/2" dia. hole through the top of the cabinet or soffit.
- See Step 4, page 15 for details to cut opening for duct transition.



For Ducting Through Rear Wall:

- Measure the supplied duct transition with any straight run length of duct used, plus 90" elbow height. Draw a horizontal line on the wall intersecting the centerline.

House Wiring Location:

- The junction box is fastened to the back of the hood on the right side. See illustrations for hood knockout locations.

NOTE: The junction box can be relocated to the inside top of the hood.

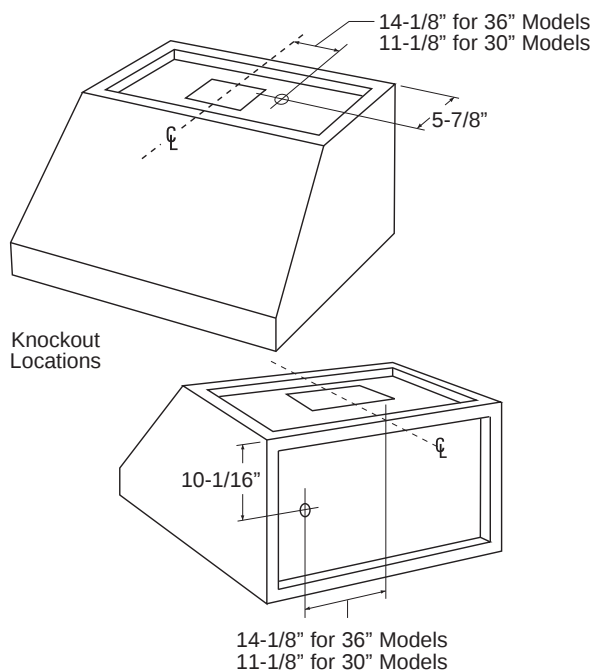
House wiring may enter the junction box from the rear or the top of the hood at the right side.

To route house wiring through the ceiling or soffit:

- Cut a hole approximately 1" dia., 5-7/8" forward on the ceiling; 11-1/8" to the right of the centerline for 30" models or 14-1/8" to the right of the centerline for 36" models.

To route house wiring through the wall:

- Cut a hole approximately 1" dia. 10-1/16" down from the top of the hood, 11-1/8" to the right of the centerline for 30" models or 14-1/8" to the right of the centerline for 36" models.
- Remove top or rear knockout depending on your installation.
- Install strain relief onto back or top of hood.

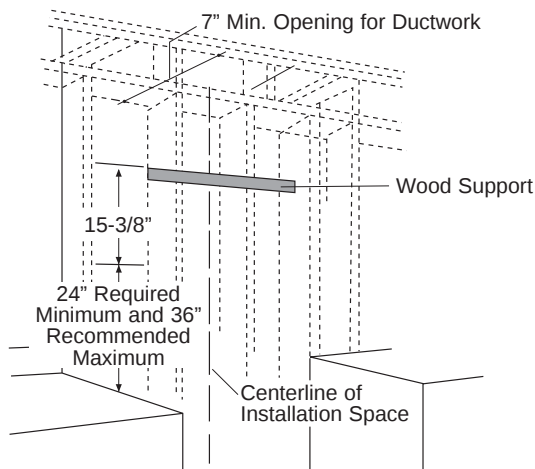


Installation Instructions

1 INSTALL HOOD SUPPORT

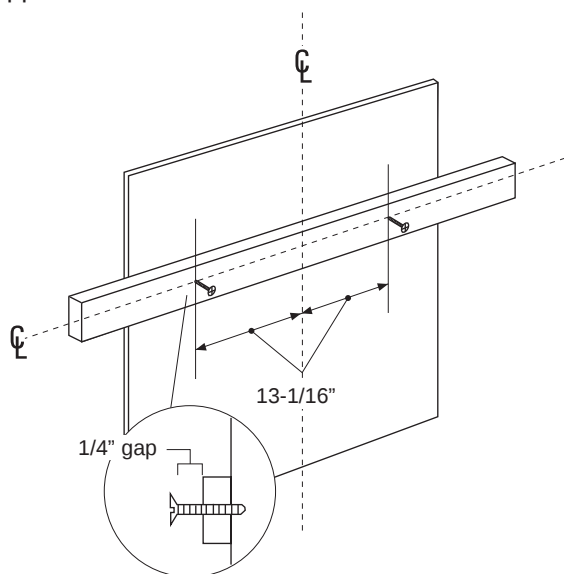
IMPORTANT: Framing must be capable of supporting 100 lbs.

- Locate at least 2 vertical studs at the wood mounting location by tapping drywall with a hammer or use a stud finder.
- Center the supplied wood horizontal support, left to right, and below the marked line.



- Drill 1/8" pilot holes through the support, drywall and into the studs. Secure the support to 2 or more vertical studs with supplied wood screws.

IMPORTANT: Screws must penetrate at least 1-1/2" into vertical studs. Countersink screws into support.

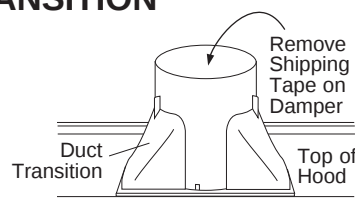


- Install mounting screws in the center of the wood support, 13-1/16" from the centerline. The screws should protrude forward 1/4". This 1/4" gap will provide clearance to hang the hood.

2 INSTALL TRANSITION

IMPORTANT:

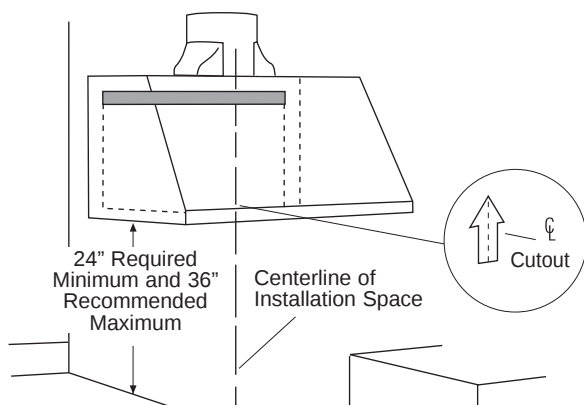
Remove shipping tape from damper and check that damper moves freely.



- Place the transition piece over the hood exhaust. Secure transition to hood with 4 screws provided.
- Use duct tape to seal the connection.

3 INSTALL HOOD ONTO WALL

- Lift the hood and place over the wood support. The top keyhole slots in the hood should engage the protruding mounting screws. Allow the hood to slide down into position.
- Pull house wiring through knockout at the rear or top of the hood.
- Check to be sure the hood is level and centered. The arrow shaped cutout in the back of the hood allows viewing the marked centerline.
- Remove cover from junction box.



Drill Bottom Mounting Hole Locations

- Drill 1/8" pilot holes into the two lower mounting holes. Enlarge the holes if they do not enter studs to 3/8". Tap anchors for wall fasteners into bottom holes. Install screws by hand into the fasteners to allow anchors to expand against the wall. Remove screws.
- Using two large flat washers (supplied), install wood screws or wall fastener screws, loosely, into lower mounting holes. Do not tighten.
- Check hood level. Tighten upper screws. Tighten lower mounting screws.
- For additional security, drive screws through the original wood support screw holes in the back of the hood.

Installation Instructions

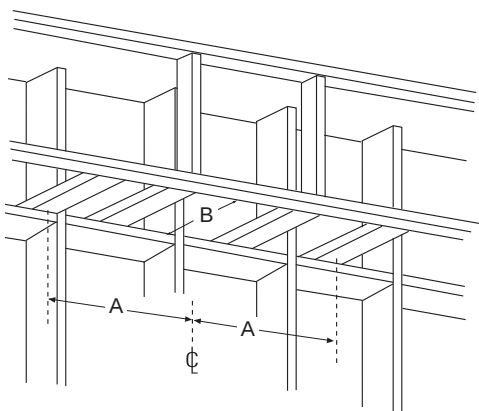
4 (Alternate Mounting Method) INSTALL HOOD TO SOFFIT OR BENEATH CABINETS

SKIP THIS STEP IF USING WALL MOUNTING METHOD

IMPORTANT: Soffit framing must be capable of supporting 100 lbs.

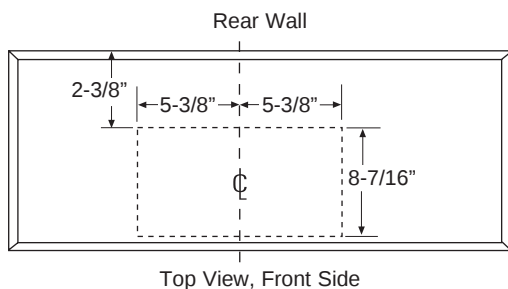
When necessary the hood may be installed so that it is supported by the soffit.

- The soffit should be constructed with 2x4's.
- Determine the installation location.
- Continue the centerline forward on the bottom of the cabinet or soffit.



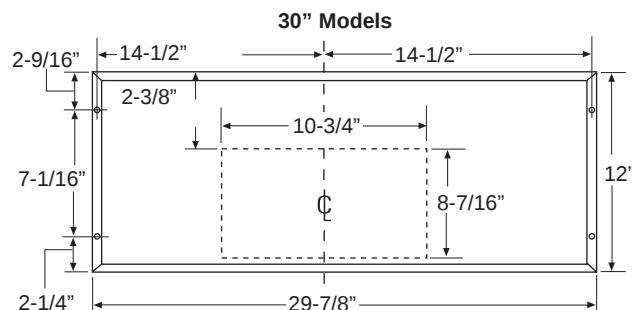
	"A" Centerline to Center of Stud	"B" Opening for Ductwork
30" Models	14-1/2"	10-3/4" W x 8-7/16 D
36" Models	17-1/2"	10-3/4" W x 8-7/16 D

- Mounting screws must be secured to 2 x 4 studs (Dim. "A") at locations shown in the above chart.
- Allow minimum opening (Dim. "B") to accommodate the duct transition in the soffit.

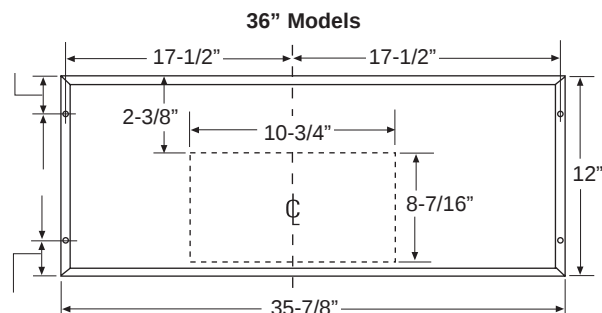


Cut a 10-3/4" x 8-7/16" hole through bottom of soffit or cabinet for duct transition as shown.

IMPORTANT: For additional support and to minimize vibration during operation, we strongly recommend that the hood also be secured to the back wall with wall fasteners.

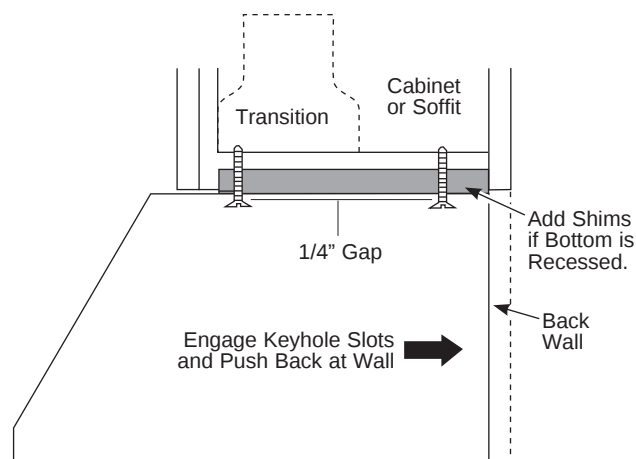


Top View, Front Side



Top View, Front Side

- Drill four 1/8" pilot holes in locations show.
- If mounting to the underside of a cabinet with a recessed bottom, install shims to fill the gap.



- Drive mounting screws into the studs until they protrude 1/4". This 1/4" gap will provide clearance to engage the keyhole slots in the top of the hood.
- Lift hood onto mounting screws. Slide back against the rear wall.
- Pull house wiring through the knockout at the rear or top of the hood.
- Tighten mounting screws.

Installation Instructions

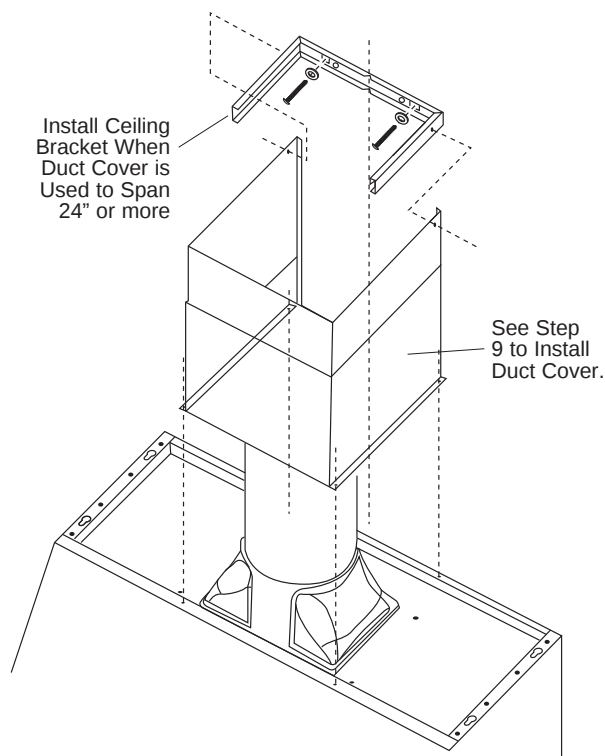
5 INSTALL CEILING BRACKET

The ceiling bracket must be installed when the duct cover is used to span 24" or more height above the hood. The bracket will hold the decorative duct cover in place at the top.

NOTE: The ceiling bracket is not required when using only the 12" section of the duct cover.

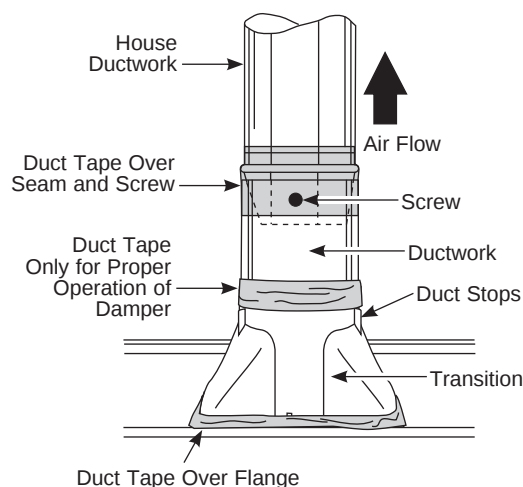
- Install the 2 small screws into the sides of the duct bracket. Remove the screws. Pre-tapping the holes will insure ease of final installation.
- Match center notch on the bracket to the centerline on the wall and flush against the ceiling.
- Mark the 2 screw hole locations.
- Drill 2/8" pilot holes in marked bracket location.
- If pilot holes do not enter studs, enlarge the holes to 3/8" and install wall fastener anchors.
- Secure the bracket to the rear wall with wood screws and washers. Use wall anchors if needed.

NOTE: Bracket has 2 sets of holes. Use larger holes for wall fasteners or wood screws with washers. Use smaller holes for wood screws with washers.



6 CONNECT DUCTWORK

- Push duct over the end of the transition until it reaches the stop tabs.
- Install ductwork, making connections in direction of airflow as illustrated.
- Secure joints in ductwork with sheet metal screws.
- Wrap all duct joints with duct tape for an airtight seal.
- Use duct tape to seal the flange connection

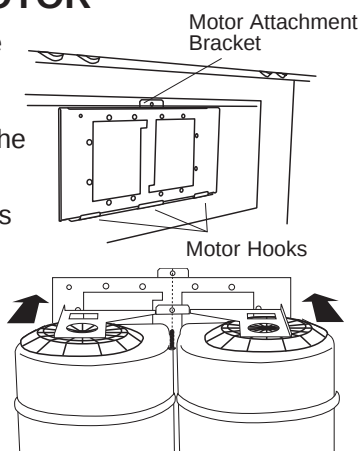


CAUTION Do not use sheet metal screws at the transition to ductwork connection. Doing so will prevent proper damper operations. Seal connection with tape only.

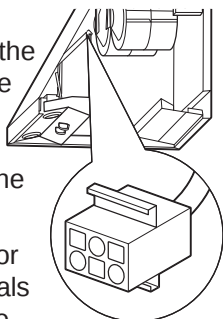
Installation Instructions

7 INSTALL MOTOR

- Align and engage the slots in the blower assembly to the 3 hooks at the rear of the exhaust opening.
- Rotate motor upwards until it aligns with the attachment screw location.
- Secure the motor to attachment bracket at the front of the opening with washer and screw provided.



- Plug the motor connector into the mating hood connector. See the illustration for the hood connector location. Touch the hood to locate and make the connection.



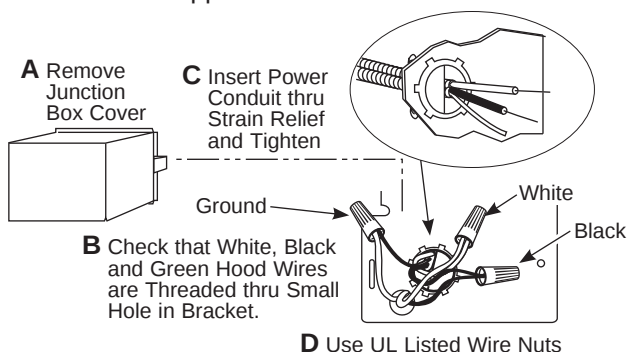
IMPORTANT: Hold the connector so the two square corner terminals are at the top as you position the connector to plug it in.

8 CONNECT ELECTRICAL

Verify that power is turned off at the source.

⚠ WARNING

If house wiring is not 2-wire with a ground wire, a ground must be provided by the installer. When house wiring is aluminum, be sure to use UL approved anti-oxidant compound and aluminum-to-copper connectors.



- Use wire nuts to connect incoming ground to green, white to white, and black to black.
- Push wires into junction box and replace cover. Be sure wires are not pinched.

9 INSTALL DUCT COVERS

To install the 12" duct cover alone:

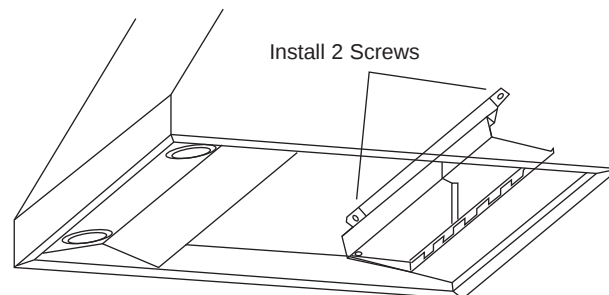
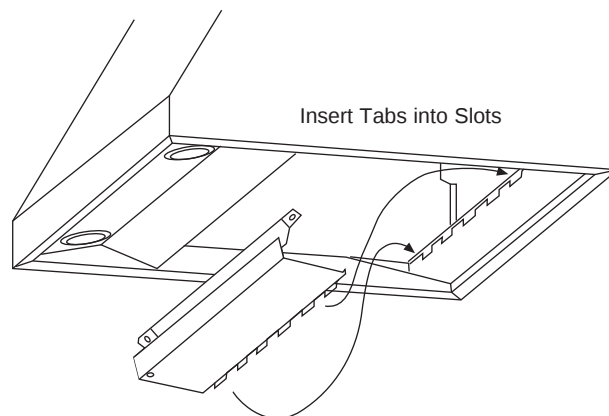
- Place the 12" section of the decorative duct cover on top of the hood.
- Secure the cover on the top of the hood with 4 screws provided.

To install the 2-piece duct cover:

- Place the 2-piece duct cover on the top of the hood.
- Secure the bottom cover to the top of the hood with 4 screws provided. See illustration, page 16.
- Extend the inside section upwards to meet the ceiling and ceiling bracket
- Secure the duct cover to the bracket with the 2 small Phillips screws provided.

10 INSTALL FILTER SUPPORT

- Tip filter support into the rear of the hood.
- Insert support tabs into the slots at the rear of the hood.

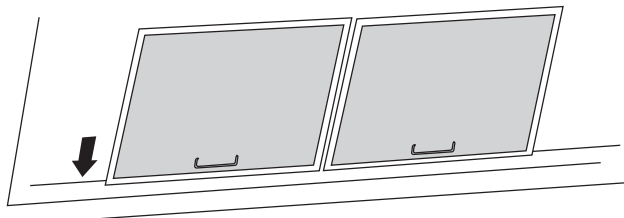
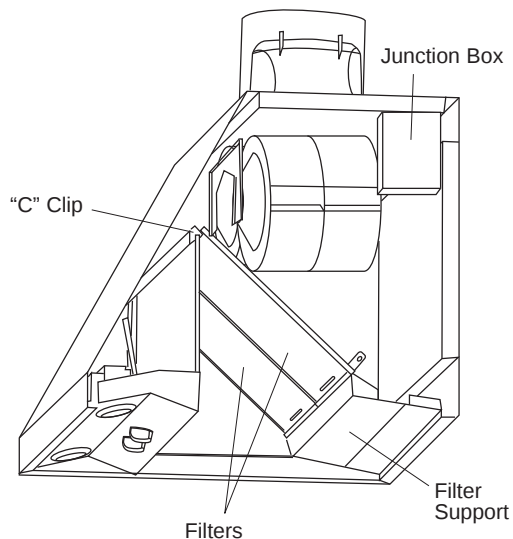


- Secure the support to the hood with screws as shown.

Installation Instructions

11 INSTALL FILTERS

- Remove protective film covering the filters.
- Insert the filter into the “C” clips mounted to the top of the vertical front panel.
- Tap the filter against one side to align with outside opening.
- Pull the filter down into the lower slots at the bottom of the filter support.



- To remove the filters, grasp the handle, push the filter up, and pull forward.

12 FINALIZE INSTALLATION

- Refer to the operating instructions to test all controls.