

Design Information

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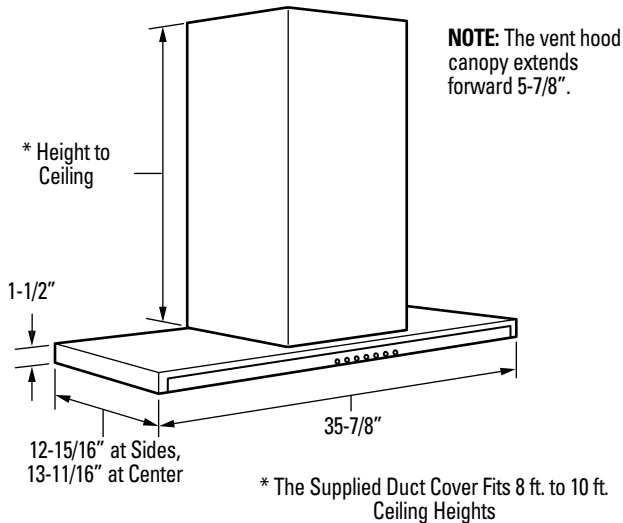
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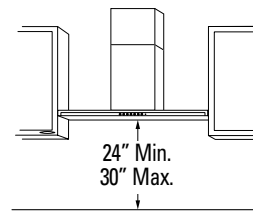
PRODUCT DIMENSION AND CLEARANCE



The vent hood must be installed 24" min., and 30" max. above the cooking surface. The telescopic duct cover conceals the ductwork running from the top of the hood to the ceiling. The duct cover is sized to reach 8 ft. to 10 ft. ceiling heights.

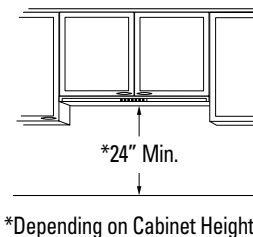
The hood installation height, from the cooking surface to the bottom of the hood, depends upon ceiling height.

INSTALLATION OPTIONS



WALL-MOUNTED INSTALLATIONS

This hood may be installed onto a wall and vented to the outdoors, or it can be installed for recirculating operation. All necessary parts for a recirculating operation are shipped with the hood. No kits required.



UNDER-CABINET INSTALLATIONS

The hood may be installed beneath a cabinet. The cabinet must measure at least 20" from the bottom frame to the inside top. See page 19.

- Both vented and recirculating operation can be accomplished in an under-cabinet installation. (Custom cabinet modification is required for recirculating operation.)

Installation Preparation

ADVANCE PLANNING

- Determine the exact location of the vent hood.
- Plan the route for venting exhaust to the outdoors.
- Use the shortest and straightest duct route possible. For satisfactory performance, duct run should not exceed 100 ft. equivalent length for any duct configurations.
- Refer to “Duct Fittings” chart to compute the maximum permissible length for duct runs to the outdoors.

CAUTION: To reduce 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.

PRUDENCE : Il faut prendre soin d’installer un conduit vers l’extérieur pour réduire le risque d’incendie et pouvoir évacuer l’air correctement. Il ne faut pas évacuer l’air correctement. Il ne faut pas évacuer l’air dans l’espace entre les parois d’un mur, un plafond ou un grenier, un espace sanitaire ou un garage.

- Use metal ductwork only. These hoods must use 6” round duct. It can transition to 3-1/4” x 12”, reducing the maximum equivalent duct length to 75 feet.
- Install a wall cap with damper or roof cap at the exterior opening. Order the wall or roof cap and any transition needed in advance.

Wall Framing for Adequate Support

- This vent hood is heavy. Adequate structural support must be provided in all types of installations. The hood must be secured to vertical studs in the wall, or to a horizontal support. For wall mounting installations, see pages 9 and 14. For under-cabinet installations, see page 20.
- The vent hood and wall cabinet, if used, should be on site before final framing and wall finishing. This will also help to accurately locate the duct work and electrical service.

POWER SUPPLY

IMPORTANT – (Please read carefully)

WARNING:

FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED.

ADVERTISSEMENT :

POUR DES RAISONS DE SÉCURITÉ, CET APPAREIL DOIT ÊTRE CORRECTEMENT MIS À LA TERRE.

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 through conduit as close to the installation location as possible, in the ceiling or back wall.
- Use a conduit connector to secure the conduit to the junction box.
- 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.

ADVERTISSEMENT :

Le mauvais branchement du fil de mise à la terre peut causer un choc électrique. En cas de doute, consulter un électricien qualifié ou un technicien pour déterminer si l’appareil est à la terre.

Installation Preparation

DUCT FITTINGS

Use this chart to compute maximum permissible lengths for duct runs to outdoors.

NOTE: Do not exceed maximum permissible equivalent lengths!

Maximum duct length:
100 foot for 6" round duct
75 foot for 3-1/4" x 12" duct


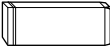



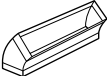

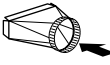
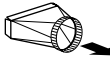
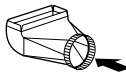
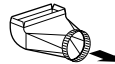
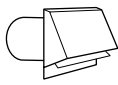
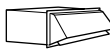


Flexible ducting:

If flexible metal ducting is used, all the equivalent feet values in the table should be doubled. The flexible metal duct should be straight and smooth and extended as much as possible.

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.

This Hood Must Use a 6" Round Duct. It Can Transition To 3-1/4" x 12" Duct

Duct Piece	Dimensions	Equivalent Length*	Quantity Used	Total Equivalent Length
	Round, straight	1 ft. (per foot length)		
	3-1/4" x 12" 3-1/4" x 24" straight	1 ft. (per foot length)		
	6" Round 90° elbow	15 ft.		
	6" Round 45° elbow	8 ft.		
	3-1/4" x 12" 90° elbow	11 ft.		
	3-1/4" x 12" or 45° elbow	6 ft.		
	3-1/4" x 12" 90° flat elbow	24 ft.		
	6" round to 3-1/4" x 12" or 3-1/4" x 24" transition	1 ft.		
	3-1/4" x 12" to 6" round transition	8 ft.		
	6" round to 3-1/4" x 12" or transition 90° elbow	16 ft.		
	3-1/4" x 12" to 6" round round transition 90° elbow	17 ft.		
	6" round wall cap with damper	30 ft.		
	3-1/4" x 12" wall cap with damper	30 ft.		
	6" Round roof cap	26 ft.		
	6" Round roof vent	26 ft.		

*Actual length of straight duct plus duct fitting equivalent. Equivalent length of duct pieces are based on actual tests conducted by GE Evaluation Engineering and reflect requirements for good venting performance with any ventilation hood.

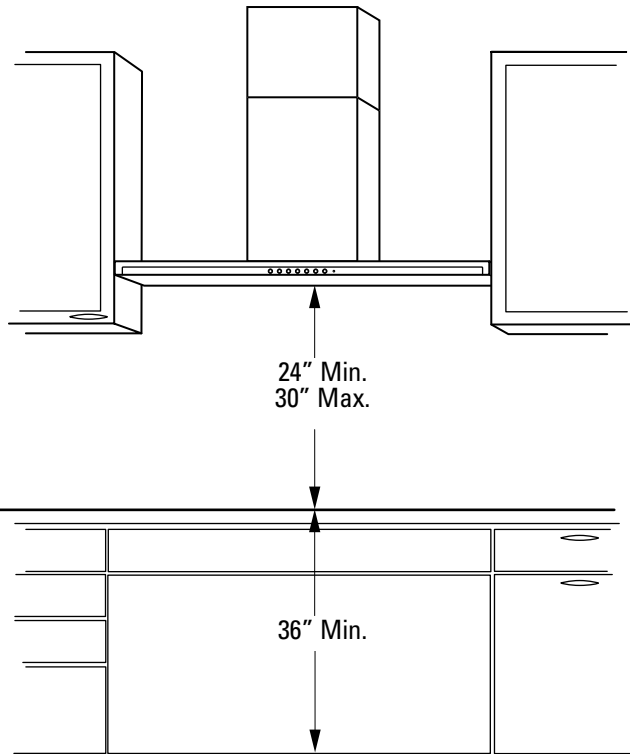
Total Duct Run _____

Installation Preparation

WALL MOUNT INSTALLATIONS

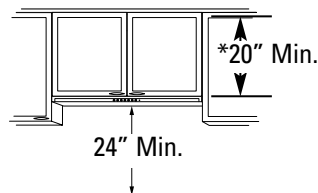
These hoods may be installed onto a wall or below a wall cabinet.

- Telescopic duct covers are provided to conceal the ductwork, running to the ceiling.
- This hood can be installed for recirculating operation. No kits required.



The vent hood must be installed 24" min. and 30" max. above the cooking surface. The hood installation height, from the cooking surface to the bottom of the hood, depends upon ceiling height.

INSTALLATION BELOW A CABINET



*The cabinet must measure at least 20" from the bottom frame to the inside top. The hood housing will occupy the interior cabinet space.

Wall Mount ZV800 Installation Heights

Actual Ceiling Height	*Possible VENTED Installation Height	*Possible RECIRCULATING Installation Height
7' 11"	24" to 27"	24" to 25"
8' 0"	24" to 28"	24" to 26"
8' 1"	24" to 30"	24" to 27"
8' 2"	24" to 30"	24" to 28"
8' 3"	24" to 30"	24" to 29"
8' 4"	24" to 30"	24" to 30"
8' 5"	24" to 30"	24" to 30"
8' 6"	24" to 30"	24" to 30"
8' 7"	24" to 30"	24" to 30"
8' 8"	24" to 30"	24" to 30"
8' 9"	24" to 30"	24" to 30"
8' 10"	24" to 30"	24" to 30"
8' 11"	24" to 30"	24" to 30"
9' 0"	24" to 30"	24" to 30"
9' 1"	24" to 30"	24" to 30"
9' 2"	24" to 30"	24" to 30"
9' 3"	24" to 30"	24" to 30"
9' 4"	24" to 30"	24" to 30"
9' 5"	24" to 30"	24" to 30"
9' 6"	24" to 30"	24" to 30"
9' 7"	25" to 30"	24" to 30"
9' 8"	26" to 30"	24" to 30"
9' 9"	27" to 30"	24" to 30"
9' 10"	28" to 30"	24" to 30"
9' 11"	29" to 30"	25" to 30"
10'	30"	26" to 30"

*Based on 36" countertop height.

INSTALLATION BELOW A WALL CABINET

Order a cabinet that is at least 20" high from the bottom frame to the inside top. The cabinet must be at least 12" deep.

- The hood installation height is determined by the ceiling height.
- The hood installation height must be 24" Min. above the cooking surface.

Installation Instructions

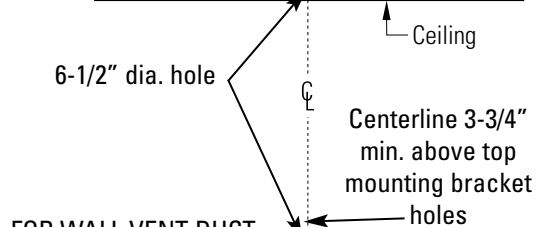
WALL-MOUNTED INSTALLATION—VENTED TO THE OUTSIDE

DUCTWORK, WIRING LOCATIONS

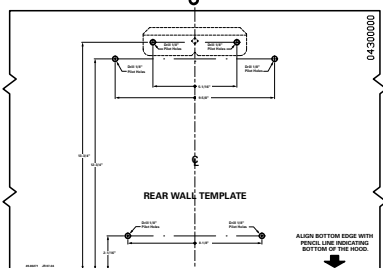
Determine the exact location of the vent hood.

- Locate the template packed with the literature.
 - Measure 36" from the floor to the top of the cooking surface. Add hood installation height determined on page 7. Mark that location.
 - Use a level to draw a straight pencil line on the wall.

3-3/4" centerline to wall → FOR CEILING VENT DUCTING



FOR WALL VENT DUCT →



- Tape the template in position along the penciled line. CHECK TO BE SURE THE TEMPLATE IS LEVEL.

Ceiling ducting:

If ductwork will vent straight up to the ceiling:

- Use a level to draw a line straight up, from the centerline on the template to the ceiling.
- Measure 3-3/4" from the back wall to the centerline of a 6-1/2" hole on the ceiling.

NOTE: If drywall is not present, add drywall thickness to the 3-3/4" dimension.

Wall Ducting:

If ductwork will vent to the rear:

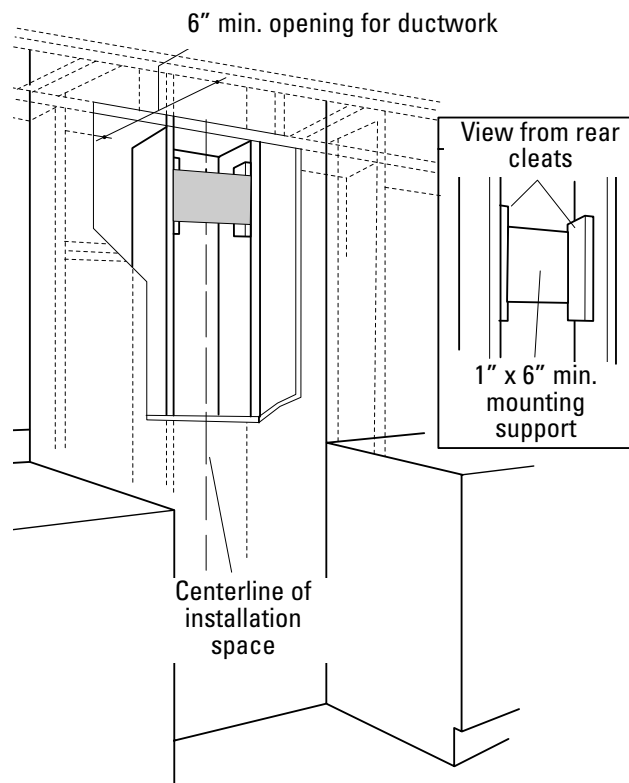
- Use a level to draw a line straight up from the centerline on the template.
- Measure at least 3-3/4" above the top mounting bracket holes shown on the template to the centerline of a 6-1/2" dia. duct hole. (Hole may be elongated for duct elbow.)

HOUSE WIRING LOCATION:

- The junction box is located on the top right side of the hood.
- Wiring should enter the back wall 20" to 26" above the bottom of the hood, and within 4" of the right side of the centerline. Wiring should enter at least 4" above the bracket on the right side.

1 INSTALL FRAMING FOR HOOD SUPPORT

IMPORTANT — Framing must be capable of supporting 100 lbs.



If drywall is present, mark the screw hole locations for the top mounting brackets. Remove the template.

- Cut away enough drywall to expose 2 vertical studs at the bracket location indicated on the template.
- Install a horizontal support at least 1" x 6" between two wall studs at the top bracket installation location. **The horizontal support must be flush with the room side of the studs.** Use cleats behind both sides of the support to secure to wall studs.
- Reinstall drywall.

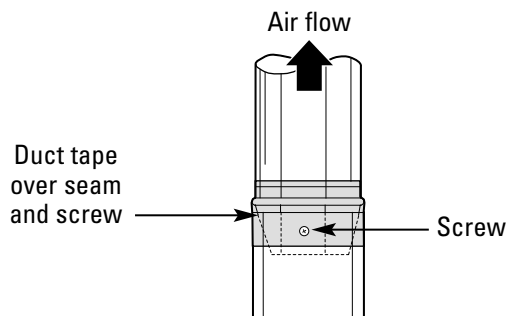
Installation Instructions

WALL-MOUNTED INSTALLATION—VENTED TO THE OUTSIDE

6 CONNECT DUCTWORK

- Install ductwork, making connections in direction of airflow as illustrated.
- Push duct over the exhaust outlet and damper.
- Secure joints in ductwork with sheetmetal screws.
- Wrap all duct joints with duct tape for an airtight seal.
- Use duct tape to seal the flange connections.

CAUTION: Do not use sheet metal screws at the hood flange connection. Doing so will prevent proper damper operations. Seal connection with tape only.



PRUDENCE :

Il ne faut pas utiliser de vis autotourdeuses à la connexion du collet de la hotte. Ceci empêcherait le bon fonctionnement du registre. N'utiliser que du ruban adhésif pour assurer l'étanchéité du raccord.

7 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 U.L. approved anti-oxidant compound and aluminum-to-copper connectors.

ADVERTISSEMENT :

Si la maison n'est pas câblée avec deux fils et un fil de terre, l'installateur doit installer un fil de terre. Quand les fils sont en aluminium, il faut prendre soin d'utiliser des connecteurs aluminium à cuivre avec une pâte antioxydante approuvée par U.L.

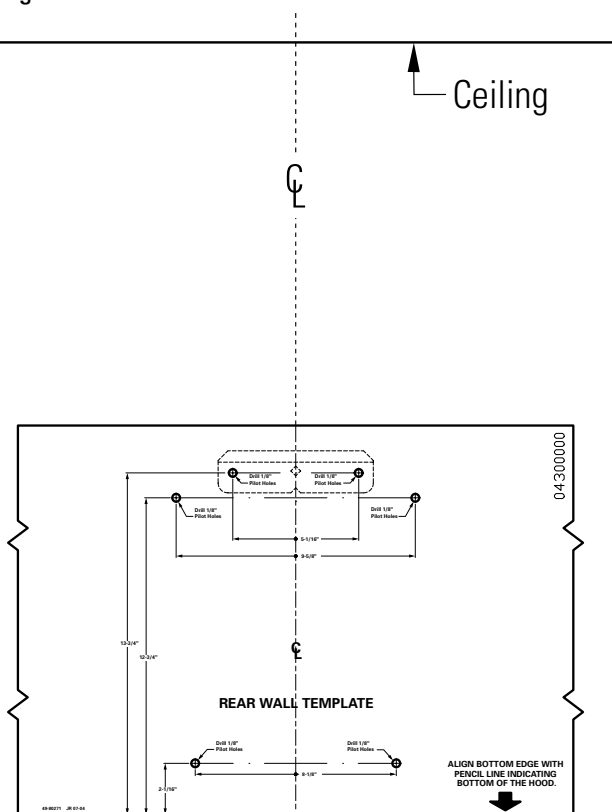
- Remove junction box cover and knockout.
- Use a conduit connector to secure the conduit to the junction box.
- Connect white leads to branch circuit white lead.
- Connect black leads to branch circuit black lead.
- Connect green/yellow leads to branch circuit green lead or bare ground lead.
- Secure all connections with wire nuts on each electrical connector.
- Push wires into junction box and replace cover. Be sure wires are not pinched.
- Secure electrical panel cover with original screws.

Installation Instructions

WALL-MOUNTED INSTALLATION—RECIRCULATING

DUCTWORK, WIRING LOCATIONS

- Determine the exact location of the vent hood.
- Locate the template packed with the literature.
- Measure 36" from the floor to the top of the cooking surface. Add hood installation height determined on page 7. Mark that location.



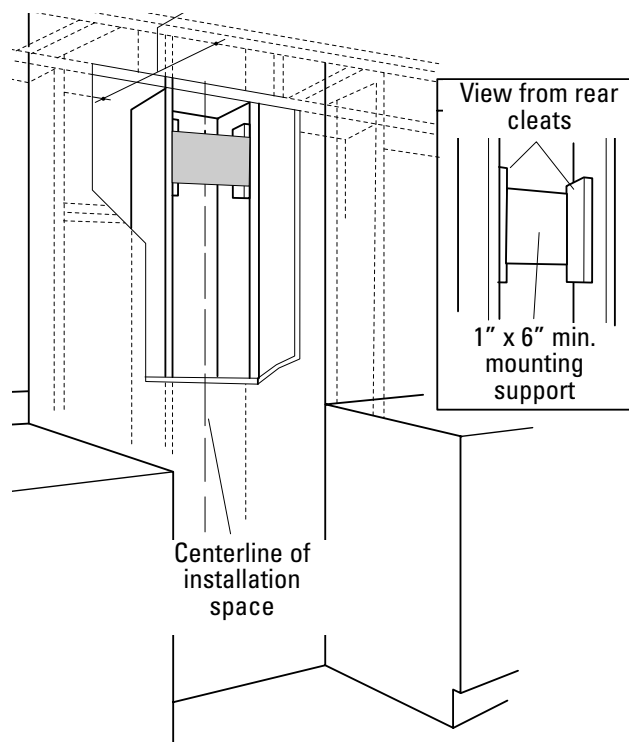
- Tape the template in position along the penciled line. **CHECK TO BE SURE THE TEMPLATE IS LEVEL.**
- Use a level to draw a line straight up, from the centerline on the template to the ceiling.

HOUSE WIRING LOCATION:

- The junction box is located on the top right side of the hood.
- Wiring should enter the back wall 20" to 26" above the bottom of the hood, and within 4" of the right side of the centerline.

1 INSTALL FRAMING FOR HOOD SUPPORT

IMPORTANT: Framing must be capable of supporting 100 lbs.



If drywall is present, mark the screw hole locations for the top mounting brackets. Remove the template.

- Cut away enough drywall to expose 2 vertical studs at the bracket location indicated on the template.
- Install a horizontal support at least 1" x 6" between two wall studs at the top bracket installation location. **The horizontal support must be flush with the room side of the studs.** Use cleats behind both sides of the support to secure to wall studs.
- Reinstall drywall.

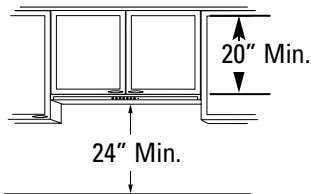
Installation Instructions

UNDER-CABINET INSTALLATION

CABINET REQUIREMENTS

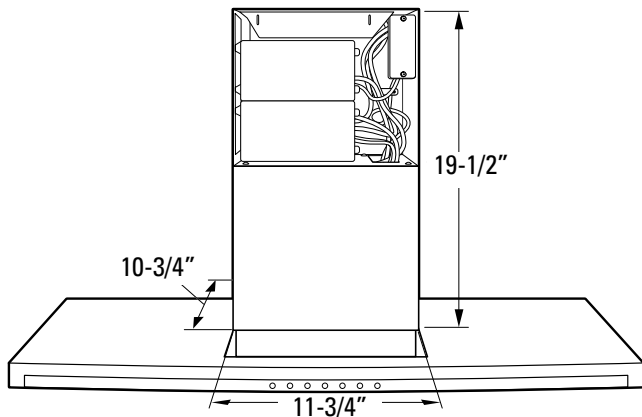
This hood may be installed beneath a wall-mounted cabinet.

- If the cabinet has been installed, it must be removed so that wall framing supports can be added.



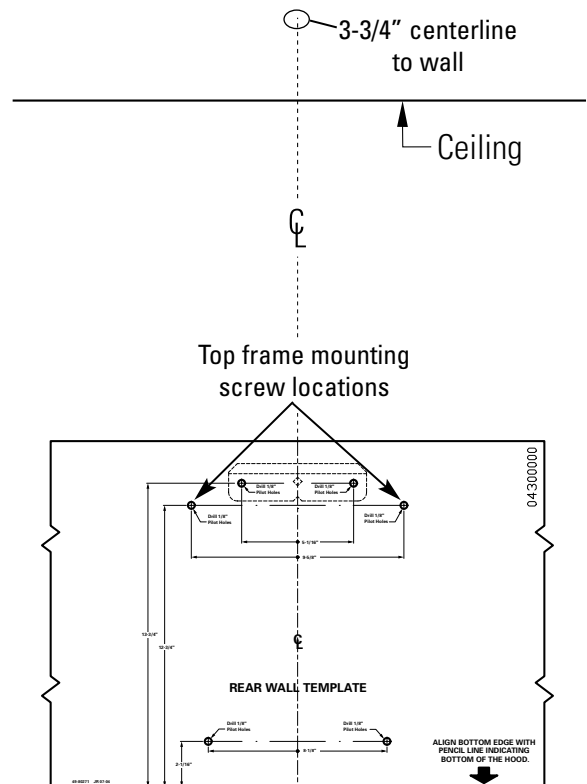
The cabinet must be at least 20" high between the bottom frame and the inside top. If the cabinet is not 20" from bottom to inside top, a custom cabinet or modifications to a different size cabinet and/or soffit may be required to accommodate the hood housing.

- The cabinet must be 36" wide and at least 12" deep.
- The cabinet must be firmly secured to wall studs or the added framing support and capable of supporting 100 pounds.



DUCTWORK, WIRING

- Determine the exact location of the vent hood.
- Locate the Rear Wall Template packed with the literature.
- Measure 36" from the floor to the top of the cooking surface. Add the pre-determined hood installation height. Mark that location.
- Use a level to draw a straight pencil line on the wall.



- Tape the template in position along the penciled line. Check to be sure the template is level.
- Use the level to draw a line straight up, from the centerline on the template to the ceiling.
- Measure 3-3/4" from the back wall to the centerline of a 6-1/2" hole on the ceiling.

NOTE: If drywall is not present, add drywall thickness to the 3-3/4" dimension.

HOUSE WIRING LOCATION:

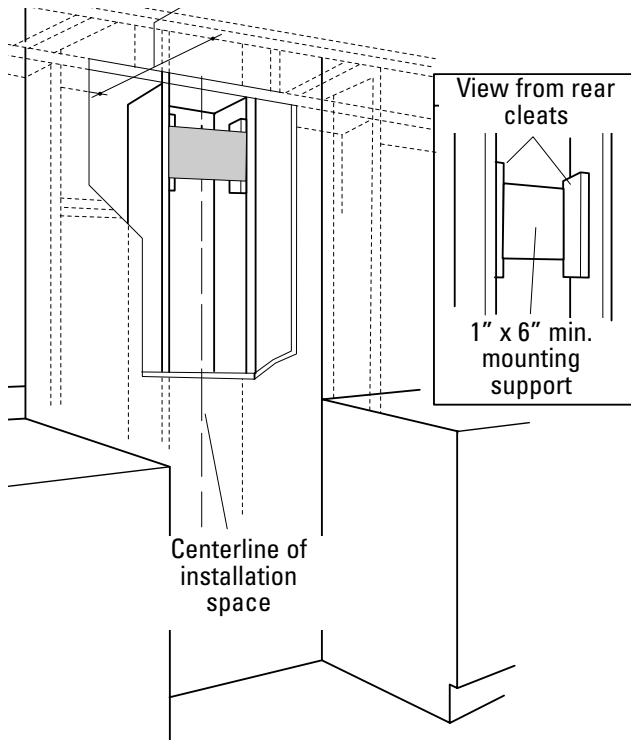
- The junction box is located on the top right side of the hood.
- Wiring should enter the back wall 20" to 26" above the bottom of the hood, and within 4" of the right side of the centerline. Wiring should enter at least 4" above the right side of the frame.

Installation Instructions

UNDER-CABINET INSTALLATION

1 INSTALL FRAMING FOR HOOD SUPPORT

IMPORTANT: Framing must be capable of supporting 100 lbs.

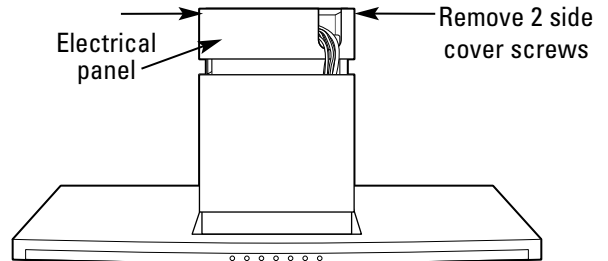


If drywall is present, mark the screw hole locations for the top mounting brackets. Remove the template.

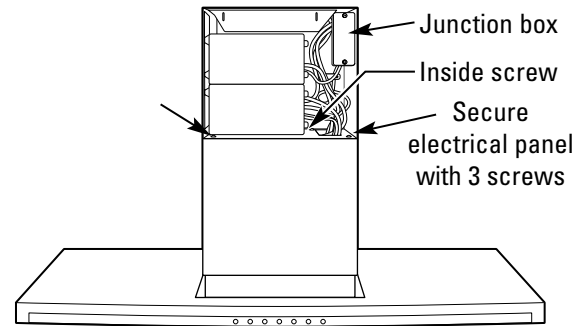
- Cut away enough drywall to expose 2 vertical studs at the bracket location indicated on the template.
- Install a horizontal support at least 1" x 6" between two wall studs at the top bracket installation location. **The horizontal support must be flush with the room side of the studs.** Use cleats behind both sides of the support to secure to wall studs.
- Reinstall drywall.

2 PREPARE THE HOOD

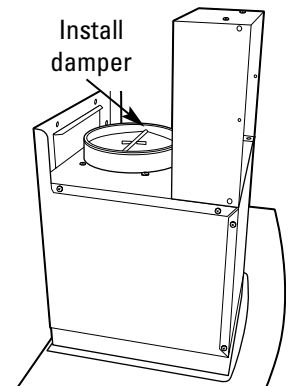
- Remove the hood from the box. Remove packaging and tape.



- Remove one screw on each side of the cover on the electrical panel. Lift off the cover and set aside with screws.



- Stand the electrical panel upright.
- Align the screw holes in the bottom of the panel with the holes on the base of the hood at the front side.
- Install 3 screws provided.
- Snap the damper into the exhaust outlet on the top of the hood.



Installation Instructions

UNDER-CABINET INSTALLATION

3 CUT THE OPENING

If the cabinet has been installed, remove it from the wall.

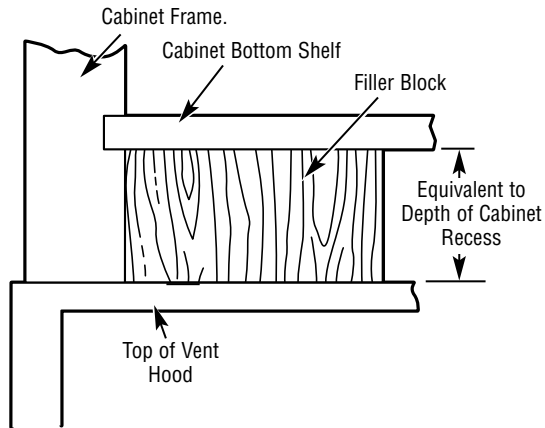
- Use the Top Cabinet Template to locate and cut a hole in the bottom of the cabinet.
- If necessary, place the template on top of the cabinet to accurately cut a matching hole.
- Install the cabinet onto the wall.

The cabinet must be firmly secured to the wall and be capable of supporting 100 lbs.

INSTALL WOOD BLOCKS IF NECESSARY

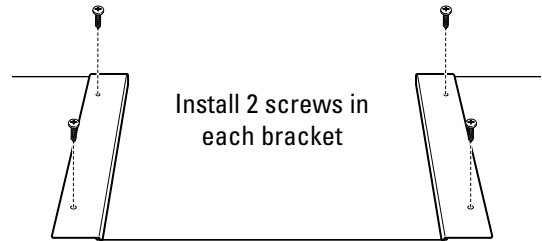
- Install filler blocks whenever the cabinet frame hangs below the cabinet bottom.
- Install filler blocks whenever the cabinet bottom is less than 3/4" thick.
- Install the filler blocks on each side of the cutout. The filler blocks will accept the hood mounting screws.

NOTE: Additional filler blocks may be required along the outside edges to accept the outside screws. See Step 5.



IMPORTANT: If filler blocks are not used, the hood may not be secured to the cabinet.

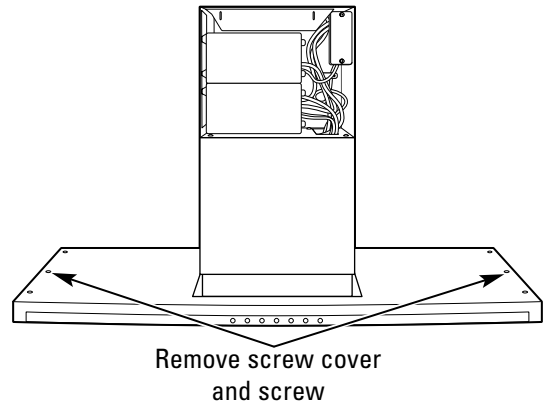
4 INSTALL SIDE "L" BRACKETS



- Install the "L" brackets onto each side of the cutout. The wide flat portion should be on top of the opening. Install 2 screws into the top of each bracket.

5 REMOVE SIDE SCREW

The top center screw on both sides of the hood can be used to close up any noticeable gaps at the outside edges. See illustration.



- Remove the center screw cover and screw on each side as shown.