

INSTALLATION REQUIREMENTS

Tools and Parts

Gather the required tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

Tools needed

- Level
- Drill with 1¼" (3.0 cm), ⅜" (4.8 mm), ⅛" (3.0 mm), and ⅝" (7.9 mm) drill bits
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Vent clamps
- Jigsaw or keyhole saw
- Flat-blade screwdriver
- Metal snips
- Phillips screwdriver
- Metric hex key set

Parts needed

- Home power supply cable
- ½" (12.7 mm) UL listed or CSA approved strain relief
- 3 UL listed wire connectors
- 1 wall or roof cap
- Metal vent system

Parts supplied

Remove parts from packages. Check that all parts are included.

- Hood canopy assembly with ventilator and light bulbs installed
- 3¼" x 10" (8.3 x 25.4 cm) rectangular vent connector
- 2 metal grease filters for 30" (76.2 cm) model
- 3 metal grease filters for 36" (91.4 cm) model
- T20® Torx®† adapter
- 4 - 5 x 45 mm mounting screws
- 6 - 4.5 x 13 mm screws
- 3 - 4 x 8 mm screws
- 4 - 10 x 50 wall anchors

Location Requirements

IMPORTANT: Observe all governing codes and ordinances.

Have a qualified technician install the range hood. It is the installer's responsibility to comply with installation clearances specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the vent hood.

Canopy hood location should be away from strong draft areas, such as windows, doors and strong heating vents.

Cabinet opening dimensions that are shown must be used. Given dimensions provide minimum clearance.

Grounded electrical outlet is required. See "Electrical Requirements" section.

The canopy hood is factory set for venting through the roof or wall.

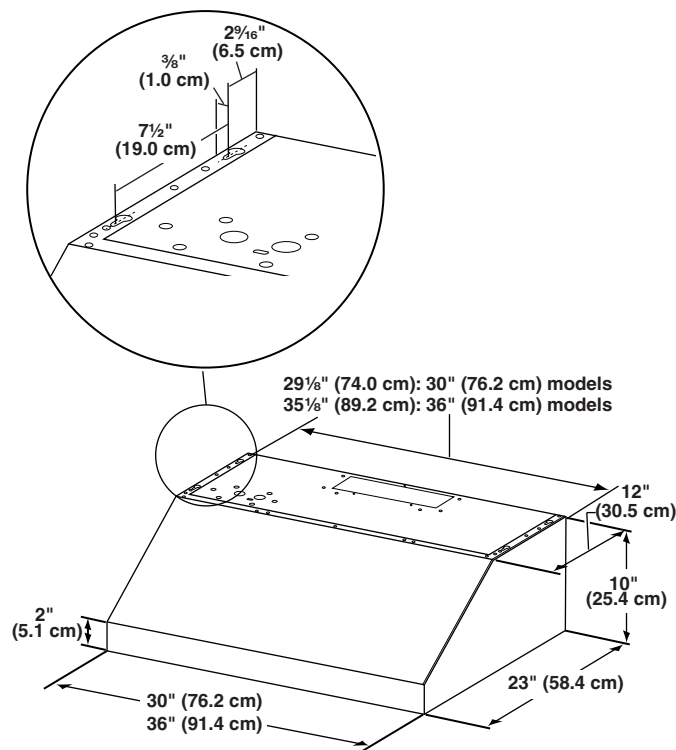
All openings in ceiling and wall where canopy hood will be installed must be sealed.

For Mobile Home Installations

The installation of this range hood must conform to the Manufactured Home Construction Safety Standards, Title 24 CFR, Part 328 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, Part 280) or when such standard is not applicable, the standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups) ANSI A225.1/NFPA 501A, or latest edition, or with local codes.

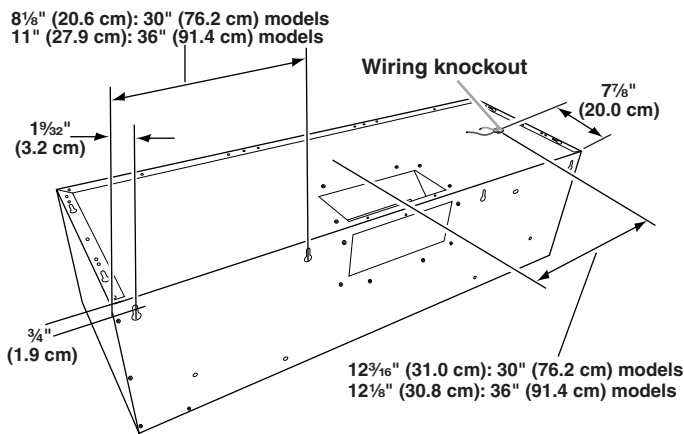
Product Dimensions

Front View

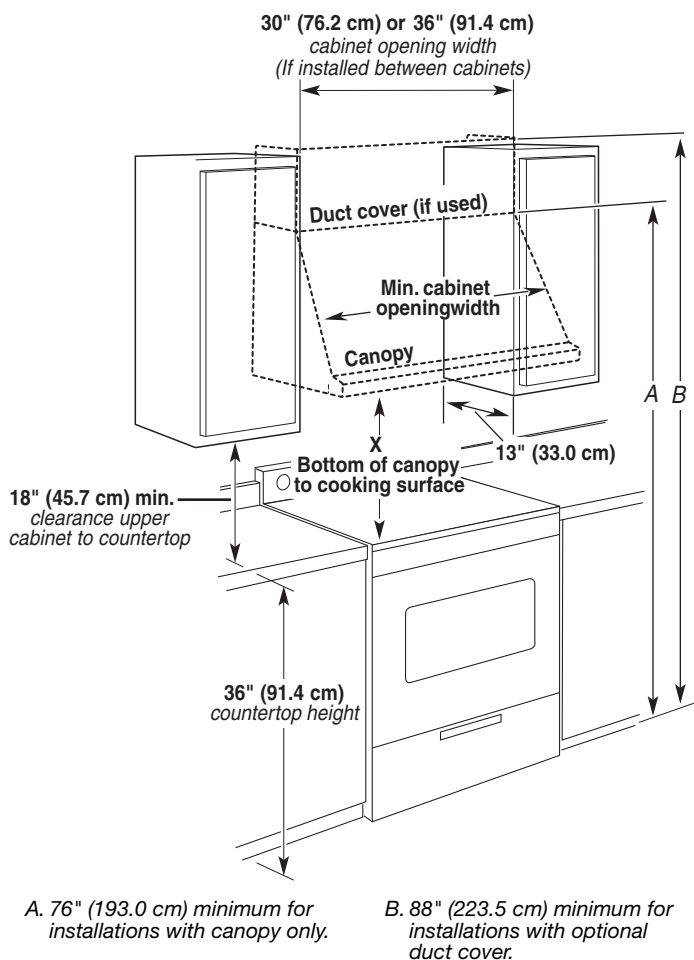


†®TORX and T20 are registered trademarks of Acument Intellectual Properties, LLC.

Back View



Cabinet Dimensions



IMPORTANT:

Minimum distance "X": 30" (76.2 cm)

Suggested maximum distance "X": 36" (91.4 cm)

Venting Requirements

- Vent system must terminate to the outdoors.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use a 4" (10.2 cm) laundry-type wall cap.
- Use metal vent only. Rigid metal vent is recommended.
- The length of vent system and number of elbows should be kept to a minimum to provide efficient performance.

For the most efficient and quiet operation:

- Use no more than three 90° elbows.
- Make sure there is a minimum of 24" (61.0 cm) of straight vent between the elbows if more than 1 elbow is used.
- Do not install 2 elbows together.
- Use clamps to seal all joints in the vent system.
- The vent system must have a damper. If roof or wall cap has a damper, do not use damper supplied with the range hood.
- Use caulking to seal exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

Cold Weather Installations

An additional back draft damper should be installed to minimize backward cold air flow and a thermal break should be installed to minimize conduction of outside temperatures as part of the vent system. The damper should be on the cold air side of the thermal break.

The break should be as close as possible to where the vent system enters the heated portion of the house.

Makeup Air

Local building codes may require the use of makeup air systems when using ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. Consult your HVAC professional for specific requirements in your area.

Venting Methods

This canopy hood is factory set for venting through the roof or wall.

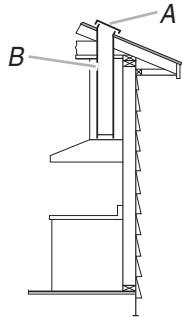
A 3 1/4" x 10" (8.3 x 25.4 cm) rectangular vent system is needed for installation (not included). The hood exhaust opening is 3 1/4" x 10" (8.3 x 25.4 cm). Vent system can terminate either through the roof or wall. To vent out of the top of the range hood and through a wall, a 90° elbow is needed. See "Install Range Hood" section for details for installing the damper.

NOTE: Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduce performance.

Rear discharge

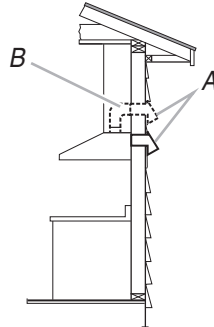
This range hood can be vented directly out the back using the 3¼" x 10" (8.3 cm x 25.4 cm) rectangular damper (supplied) along with a 3¼" x 10" (8.3 cm x 25.4 cm) rectangular vent system (not supplied). See "Install Range Hood" section for details for installing the damper.

Roof Venting



A. Roof cap
B. 3¼" x 10" (8.3 x 25.4 cm)
rectangular metal vent

Wall Venting (top or rear discharge)



A. Wall cap
B. 3¼" x 10" (8.3 x 25.4 cm)
rectangular metal vent

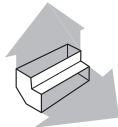
Calculating Vent System Length

To calculate the length of the system you need, add the equivalent feet (meters) for each vent piece used in the system.

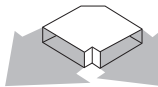
3¼" x 10" (8.3 cm x 25.4 cm) Vent System

Vent Piece

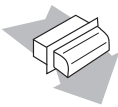
3¼" x 10" (8.3 cm x 25.4 cm)
90° elbow 5.0 ft
(1.5 m)



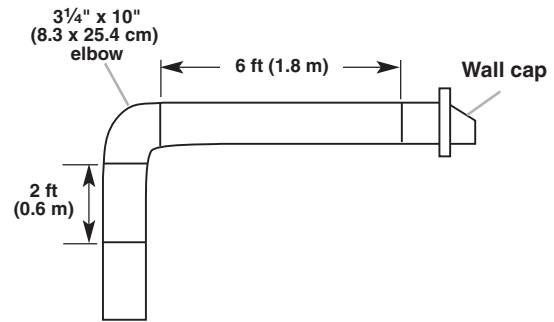
3¼" x 10" (8.3 cm x 25.4 cm)
flat elbow 12.0 ft
(3.7 m)



3¼" x 10" (8.3 cm x 25.4 cm)
wall cap 0.0 ft
(0.0 m)



Example vent system



Maximum Recommended Length = 35 ft (10.7 m)

1 - 90° elbow = 5.0 ft (1.5 m)

8 ft (2.4 m) straight = 8.0 ft (2.4 m)

1 - wall cap = 0.0 ft (0.0 m)

Length of 3¼" x 10" (8.3 cm x 25.4 cm) system = 13.0 ft (3.9 m)

Electrical Requirements

Observe all governing codes and ordinances.

Ensure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition) and all local codes and ordinances.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169-7471
CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

- A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.
- If the house has aluminum wiring, follow the procedure below:

1. Connect a section of solid copper wire to the pigtail leads.
2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.

- Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial/rating plate. The model/serial/rating plate is located behind the left filter on the rear wall of the range hood.
- Wire sizes must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22. 1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition) and all local codes and ordinances.

INSTALLATION INSTRUCTIONS

Prepare Location

- It is recommended that the vent system be installed before hood is installed.
 - If you are installing an optional backsplash or full width duct cover, follow the instructions included with that product.
 - Before making cutouts, make sure there is proper clearance within the ceiling or wall for exhaust vent.
 - Check your ceiling height and the hood height maximum before you select your hood.
1. Disconnect power.
 2. Determine which venting method to use: roof, wall, or non-vented.
 3. Select a flat surface for assembling the range hood. Place covering over that surface.

⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install range hood.

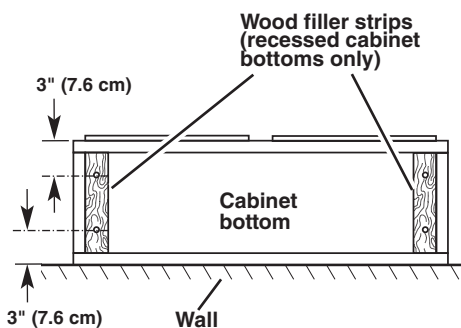
Failure to do so can result in back or other injury.

4. Using 2 or more people, lift range hood onto covered surface.

NOTE: This range hood can be mounted to the cabinets or to the wall.

For Cabinet Installations

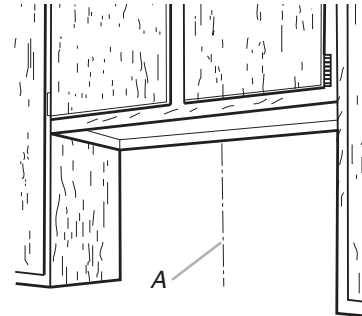
1. If cabinet has recessed bottom, add wood filler strips on each side. Install screws to attach filler strips in locations shown.



Determine Wiring Hole Location

Cut only one 1¼" (3.2 cm) diameter wiring access hole. See Step 2 for wiring hole location instructions.

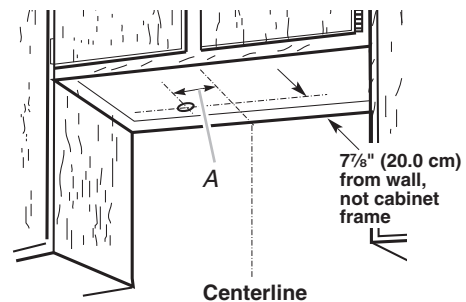
1. Determine and clearly mark a vertical centerline on the wall and cabinet in the area the vent opening will be made.



A. Centerline

2. To wire through top:

Mark a line distance "A" from the left of the centerline on the underside of the cabinet. Mark the point on this line that is 7⅞" (20.0 cm) from back wall. Drill a 1¼" (3.2 cm) diameter hole through the cabinet at this point.



A. 12⅜" (31.0 cm)

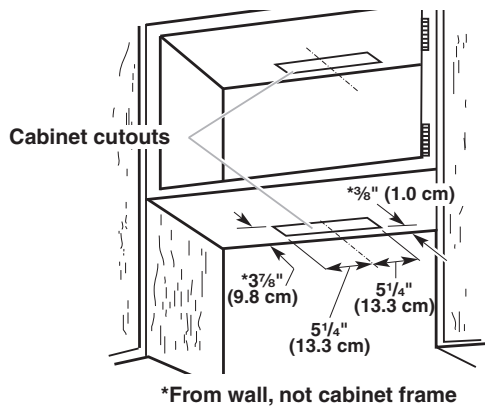
Cut Openings for 3¼" x 10" (8.3 cm x 25.4 cm) Rectangular Vent System

Roof Venting

To make a 3½" x 10½" (8.9 cm x 26.7 cm) rectangular cutout on the underside of cabinet top and bottom:

1. Mark lines ⅝" (1.0 cm) and 3⅞" (9.8 cm) from the back wall on the centerline of the underside of cabinet.
2. Mark lines 5¼" (13.3 cm) to the right and left of the centerline on the underside of cabinet.
3. Use saber or keyhole saw to cut a rectangular opening for vent.

- Repeat steps 1-3 for the underside of the top of the cabinet.

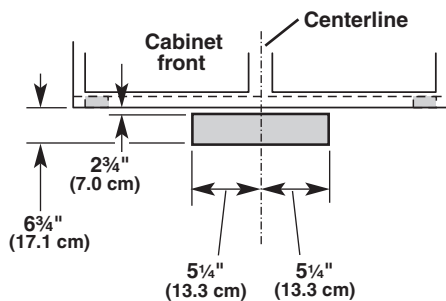


Wall Venting Under Cabinet

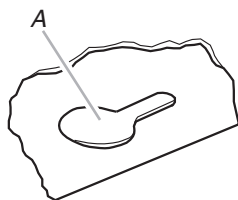
To make a 3 1/2" x 10 1/2" (8.9 cm x 26.7 cm) rectangle in the wall:

- Make 2 lines by measuring 3/8" (9.5 mm) and 3 7/8" (9.8 cm) down from underside of cabinet and mark on the centerline on the back wall.
- Mark lines 5 1/4" (13.3 cm) to the right and left of the centerline on the wall.

Use saber or keyhole saw to cut a rectangular opening in the wall for the vent.



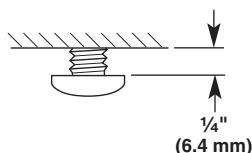
- Lift the range hood up under cabinet and determine final location by centering beneath cabinet. Mark on the underside of cabinet the location of the 4 keyhole mounting slots on the range hood. Set range hood aside on a covered surface.



- Use 1/8" (3 mm) drill bit and drill 4 pilot holes as shown.

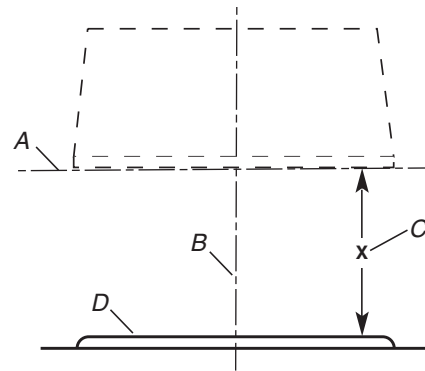


- Install the 4 - 4.5 x 13 mm mounting screws in pilot holes. Leave about 1/4" (6.4 mm) space between screw heads and cabinet to slide range hood into place.

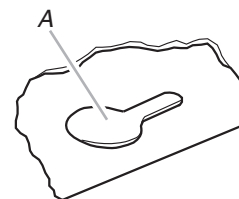


For Wall Installations:

- Determine and mark the centerline on the wall where the canopy hood will be installed.
- Select a mounting height between a minimum of 30" (76.2 cm) and a suggested maximum of 36" (91.4 cm) above the range to the bottom of the hood. Mark a reference line on the wall.
- Using 2 or more people, center the hood on the vertical centerline, then align the bottom of the hood with the horizontal reference line marked on the wall.



- Mark centers of the fastener locations to the wall. Set range hood aside on a covered surface.

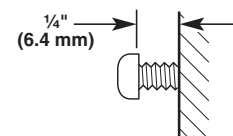


IMPORTANT: All screws must be installed into wood. If there is no wood to screw into, additional wall framing supports may be required.

- Drill 3/16" (4.8 mm) pilot holes at all locations where screws are being installed into wood.



- Install the 2 - 5 x 45 mm mounting screws. Leave a 1/4" (6.4 mm) gap between the wall and the back of the screw head to slide range hood into place.



- Determine and make all necessary cuts in the wall or ceiling for the vent system. Install the vent system before installing the hood. See "Venting Requirements" section.

Complete Preparation

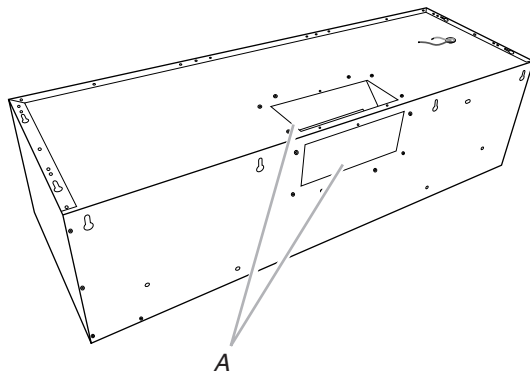
1. Determine the required height for the home power supply cable and drill a 1¼" (3.2 cm) hole at this location.
2. Run the home power supply cable according to the National Electrical Code or CSA Standards and local codes and ordinances. There must be enough ½" conduit and wires from the fused disconnect (or circuit breaker) box to make the connection in the hood's electrical terminal box.

NOTE: Do not reconnect power until installation is complete.

3. Remove terminal box cover and set aside.
4. Remove knockout from the top of the vent hood and install a UL listed or CSA approved ½" strain relief.

Install Range Hood

1. Remove the grease filters. See the "Range Hood Care" section.
2. Depending on your installation, remove either top or rear rectangular vent knockout. If using round vent, remove top rectangular knockout.



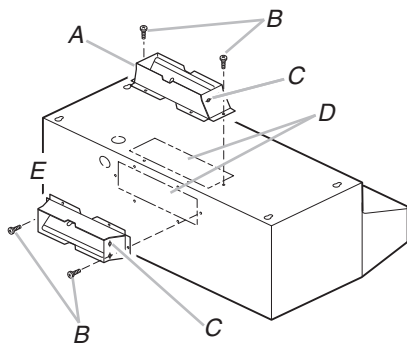
A. Vent knockouts

Make sure damper pivot is nearest to top/back edge of range hood.

3. Remove tape from damper flap.

NOTE: The 3¼" x 10" (8.3 x 25.4 cm) rectangular damper can be installed up to 1" (2.5 cm) on either side of the hood center to accommodate off center duct work.

4. Attach the 3¼" x 10" (8.3 x 25.4 cm) rectangular vent connector to the range hood using sheet metal screws.



A. Top venting
B. Sheet metal screws
C. Hinge pin
D. Vent knockouts
E. Rear venting

NOTE: If the wall cap is directly behind the 3¼" x 10" (8.3 x 25.4 cm) rectangular vent connector, check that the damper and the wall cap do not interfere with each other. Remove the damper from the 3¼" x 10" (8.3 x 25.4 cm) rectangular vent connector if they interfere.

5. Using 2 or more people, lift the hood into final position. Feed enough electrical wire through the ½" UL listed or CSA approved strain relief to make connections in the terminal box. Tighten the strain relief screws.
6. Position the range hood so that the large end of the keyhole slots are over the mounting screws. Then, push the hood toward the wall (for cabinet mounting) or allow the range hood to slide down to the marked mounting height (for wall mounting) so that the screws are in the neck of the slots. Tighten the mounting screws, making sure the screws are in the narrow neck of slots. (For wall mount, check that the hood is level).
7. Connect ventwork to hood. Seal joints with clamps to make secure and airtight.
8. Check that back draft dampers work properly.

Make Electrical Connection

⚠ WARNING



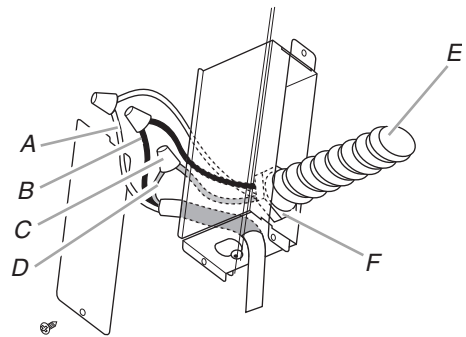
Electrical Shock Hazard

Disconnect power before servicing.

Replace all parts and panels before operating.

Failure to do so can result in death or electrical shock.

1. Disconnect power.




A. White wires
B. Black wires
C. UL listed wire connector
D. Green (or bare) and yellow-green ground wire
E. Home power supply cable
F. UL listed or CSA approved ½" strain relief

2. Use UL listed wire connectors and connect white wires (A) together.

3. Use UL listed wire connectors and connect black wires (B) together.

⚠ WARNING



Electrical Shock Hazard
Electrically ground blower.
Connect ground wire to green and yellow ground wire in terminal box.
Failure to do so can result in death or electrical shock.

4. Connect green (or bare) ground wire from home power supply to yellow-green ground wire (C) in terminal box using UL listed wire connectors.

5. Install terminal box cover.
6. Check that all light bulbs are secure in their sockets.
7. Reconnect power.

Install Vent Covers (Optional)

If you are installing an optional full width duct cover, follow the instructions included with that product.

Complete Installation

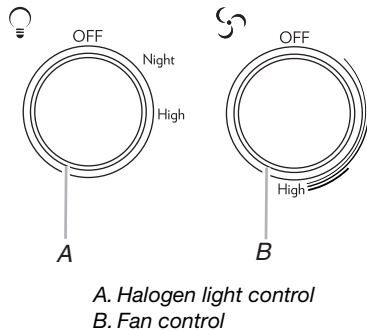
1. Install metal grease filters. See the “Range Hood Care” section.
2. Check the operation of the range hood blower and light. See the “Range Hood Use” section.

NOTE: To get the most efficient use from your new range hood, read the “Range Hood Use” section.

RANGE HOOD USE

The range hood is designed to remove smoke, cooking vapors and odors from the cooktop area. For best results, start the hood before cooking and allow it to operate several minutes after the cooking is complete to clear all smoke and odors from the kitchen.

The hood controls are located on the right-hand underside of the range hood.



Range Hood Controls

Operating the lights

1. Turn the light switch to the Night position to use the range hood lights as a night light.
2. Turn the light switch to the High position to turn the range hood lights On.
3. Turn the light switch to the Off position to turn the range hood lights Off.

Operating the blower

1. Turn the blower switch to the first position to turn the range hood on Low.
2. Turn the blower switch to the second position to turn the range hood on Medium.
3. Turn the blower switch to the third position to turn the range hood on Medium - High.
4. Turn the blower switch to the High position to turn the range hood on High.
5. Turn the blower switch to the Off position to turn the range hood blower Off.