

ELECTRICAL & INSTALLATION REQUIREMENTS

IMPORTANT

Observe all governing codes and ordinances. It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure 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.
- Do not ground to a gas pipe.
- Check with a qualified electrician if you are not sure range hood is properly grounded.
- Do not have a fuse in the neutral or ground circuit.

IMPORTANT

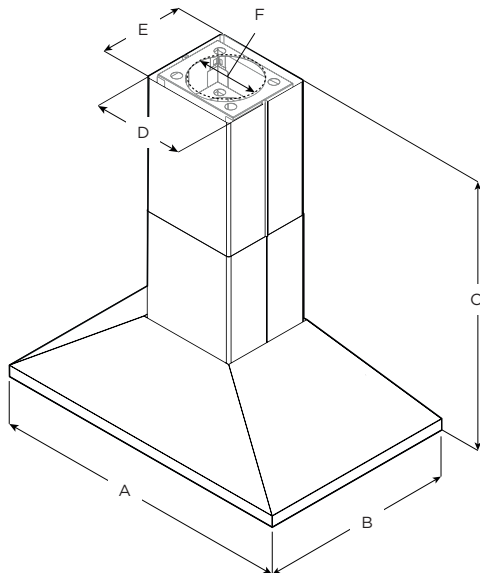
- Save Installation Instructions for electrical inspector's use.
- The range hood must be connected with copper wire only.
- The range hood should be connected directly to the fused disconnect (Or circuit breaker) box through metal electrical conduit.
- Wire sizes must conform to the requirements of 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.
- A U.L.- or C.S.A.-listed conduit connector must be provided at each end of the power supply conduit (at the range hood and at the junction box).

Copies of the standards listed may be obtained from:
 * National Fire Protection Association Batterymarch Park Quincy, Massachusetts 02269
 ** CSA International 8501 East Pleasant Valley Road Cleveland, Ohio 44131-5575

BEFORE INSTALLING THE HOOD

- 1 For the most efficient air flow exhaust, use a straight run or as few elbows as possible.
 CAUTION: Vent unit to outside of building, only.
- 2 At least two people are necessary for installation.
- 3 Fittings material is provided to secure the hood to most types of walls/ceilings, consult a Qualified Installer, check if they perfectly fit with your cabinet/wall.
- 4 Do not use flex ducting.
- 5 COLD WEATHER installations should have an additional backdraft damper installed to minimize backward cold air flow and a nonmetallic thermal break to minimize conduction of outside temperatures as part of the ductwork. The damper should be on the cold air side of the thermal break.
 The break should be as close as possible to where the ducting enters the heated portion of the house.
- 6 Make up air: Local building codes may require the use of Make-Up Air Systems when using Ducted 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.

PRODUCT DIMENSIONS



	Models	
	ELI136S1	ELI142S1
A	36" (91.4 cm)	42" (106.7 cm)
B	27" (68.6 cm)	
C	Max: 46 ⁹ / ₁₆ " (118.3 cm) Min: 37 ¹ / ₂ " (95.3 cm)	
D	13 ³ / ₁₆ " (33.2 cm)	
E	12" (30.5 cm)	
F	8" (20.3 cm)	

LIST OF MATERIALS

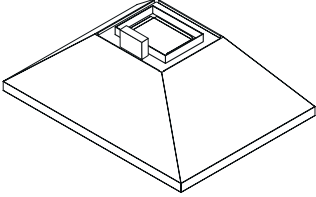
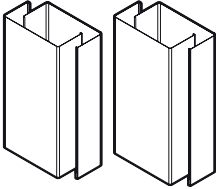

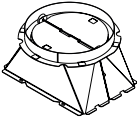

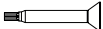

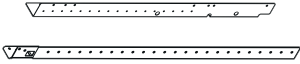

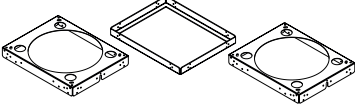

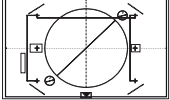


Removing the packaging.

⚠ CAUTION

Remove carton carefully, Wear gloves to protect against sharp edges.

⚠ WARNING

Remove the protective film covering the product before putting into operation.

Supplied Part	Pieces	Supplied Part	Pieces
 Hood assembly and LED lamps already installed	1	 Lower and upper duct covers	Upper: 2 Lower: 2
 5x45 mm	4	 8" round air transition	1
 4.2x8 mm	60	 Torx adapter	#10: 1 #20: 1
 3.5x9.5 mm	2	 Vertical supports	Upper: 4 Lower: 4
 3.5x6.5 mm	6	 Horizontal supports	3
 6x16 mm	4	 Mounting template	1
 Leveling screws	2		
 Duct cover brackets	4		

Parts no supplied

Tools/Materials required

- Level
- Drill
- 1/4" (3.2 cm), 1/8" (3.2 mm), and 1/16" (4.8 mm) drill bits
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Jigsaw or keyhole saw

- Metal snips
- Screwdrivers:
 - Flat-blade
 - Phillips

Optional accessories and consumable parts

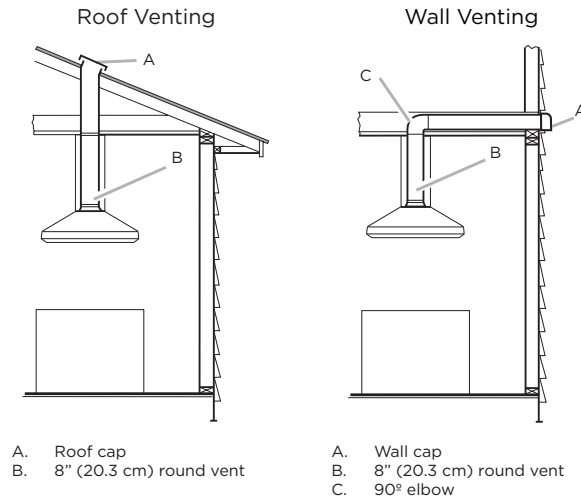
KIT	# Part
Long Chimney Extension	KIT0100317

Ducting options

Closely follow the instructions set out in this manual.
All responsibility, for any eventual inconveniences, damages or fires caused by not complying with the instructions in this manual, is declined.

Ducting version

The hood is equipped with an 8" (20.3 cm) round transition for discharge of fumes to the outside.



Preparation

Do not cut a joist or stud unless absolutely necessary. If a joist or stud must be cut, then a supporting frame must be constructed.

Fittings material is provided to secure the hood to most types of walls/ceilings.

However, a qualified technician must verify suitability of the materials in accordance with the type of wall/ceiling.

Before making cutouts, make sure there is proper clearance within the ceiling or wall for exhaust vent.

Recommended installation height:

Hood installation height above cooktop is the users preference. The lower the hood is above the cooktop, the more efficient the capturing of cooking odors, grease and smoke.

⚠ CAUTION

For gas cooktop & range installations: Mount the hood so the bottom is at least 30" (76.2 cm) above the cooking surface.

For electric/induction cooktop & range installations: Mount the hood so the bottom is at least 24" (61 cm) above the cooking surface.

There is no maximum mounting height, however, we recommend mounting the hood no greater than 36" (91.4 cm) above the cooking surface. For every inch (2.54 cm) above 36" (91.4 cm), fume and moisture capture efficiency diminishes at an increasing rate and may not deliver an acceptable level of ventilating performance.

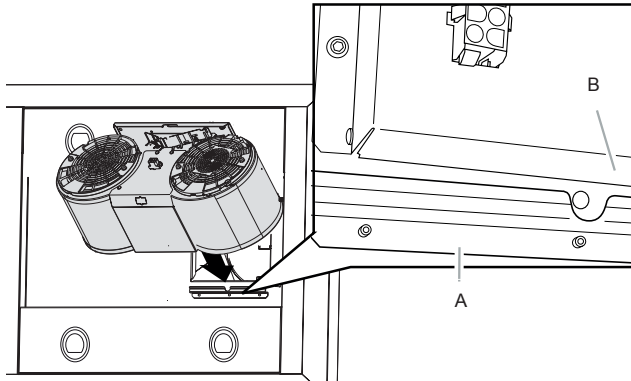
This hood is intended for household use.

PLEASE READ THE INSTALLATION MANUAL FOR SPECIFIC APPLICATION. Check your ceiling height and hood height before selecting your hood.

Installation

Mounting the range hood blower

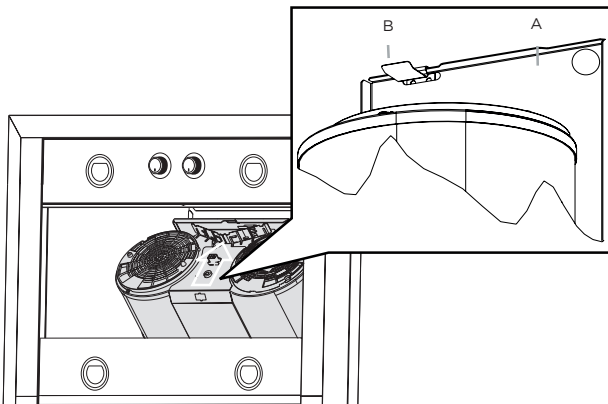
- Slide the rear mounting plate flange under the bracket.



A. Bracket
B. Blower mounting plate

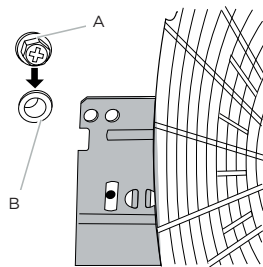
- Push the front end of the mounting plate up and snap into spring tab.

NOTE: The spring tab should be outside of the slot in the mounting plate.



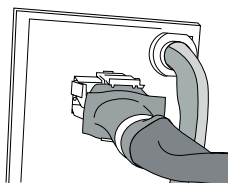
A. Blower mounting plate
B. Spring tab

- Align mounting holes and install 4 - 6 x 16 mm screws.



A. Screw with lock washer
B. Mounting hole

- Attach power cord connector to connector on wire box on blower motor mounting plate.

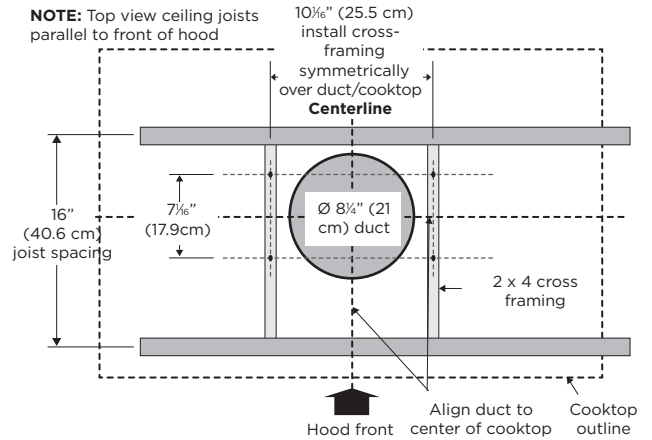


Ceiling support structures

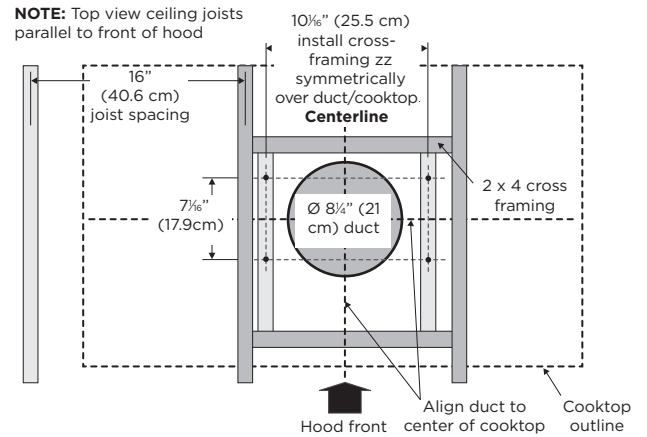
- This vent hood is heavy. Adequate structure and support must be provided in all types of installations.
- At the hood location, install 2"x 4" cross framing between ceiling joists as shown (2"x 4" are required to support the weight of the hood).
- Arrange cross framing in the ceiling to suit the existing structure.

Your ceiling joists will be like one of the following:

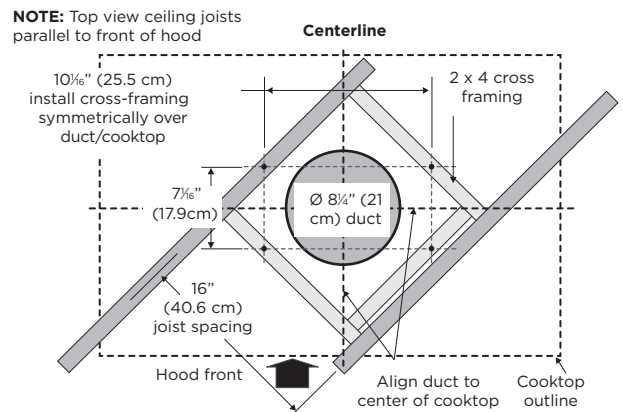
Example A



Example B



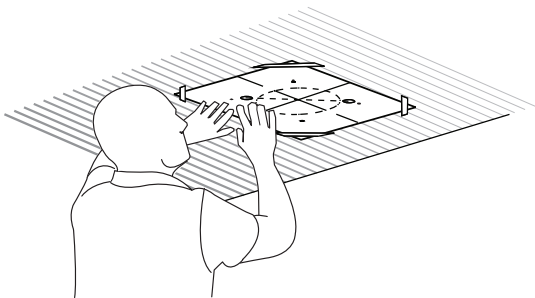
Example C



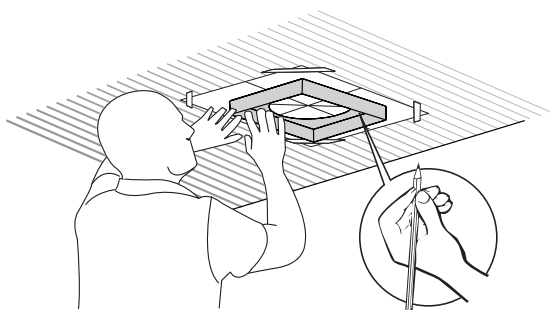
Install range hood

Install Range Hood

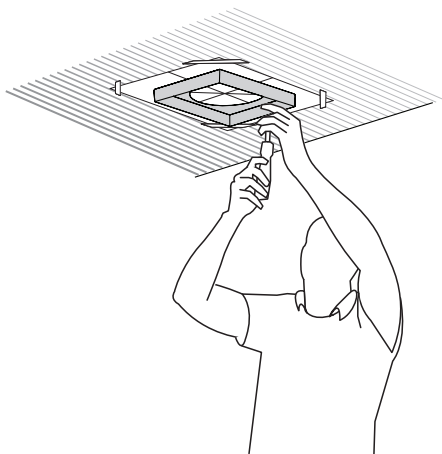
- 1 Place the template in the ceiling considering the instructions for ceiling support structures.
NOTE: Always consider the front of hood legend when playing the template on the ceiling.
It will define the control's location.



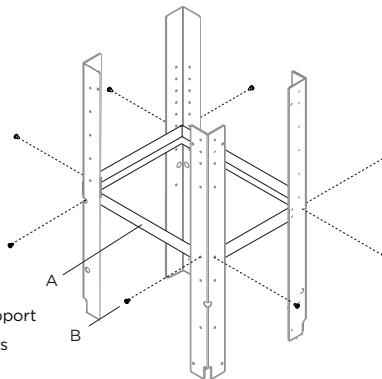
- 2 Mark with a pencil the hole locations for screws and duct in the ceiling.



- 3 Fix the upper horizontal support with 4 - 5x45 mm screws.

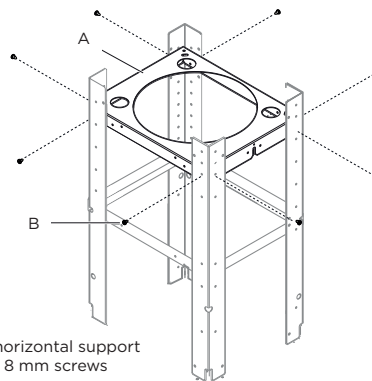


- 4 Install the lower horizontal support with 8 - 4.2 x 8 mm screws.



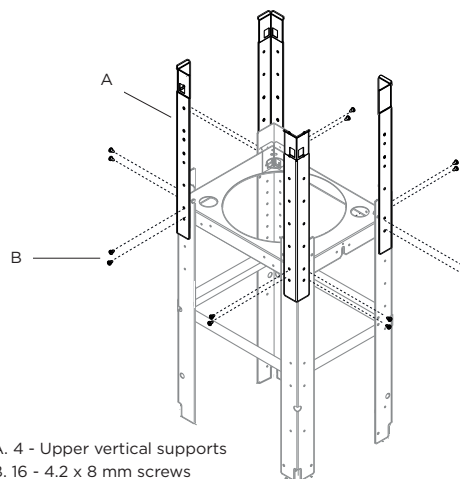
A. Lower horizontal support
B. 8 - 4.2 x 8 mm screws

- 5 Install the middle horizontal support to the hood with 8 - 4.2 x 8 mm screws.



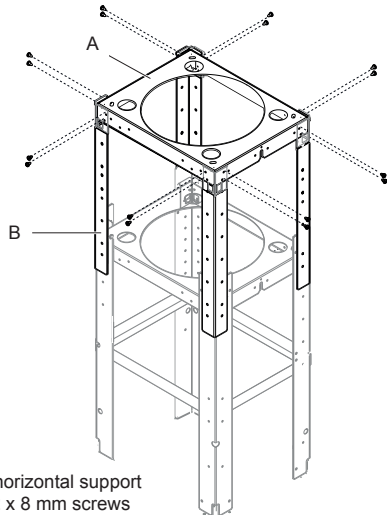
A. Middle horizontal support
B. 8 - 4.2 x 8 mm screws

- 6 Install the 4 upper vertical supports to the hood with 16 - 4.2 x 8 mm screws.

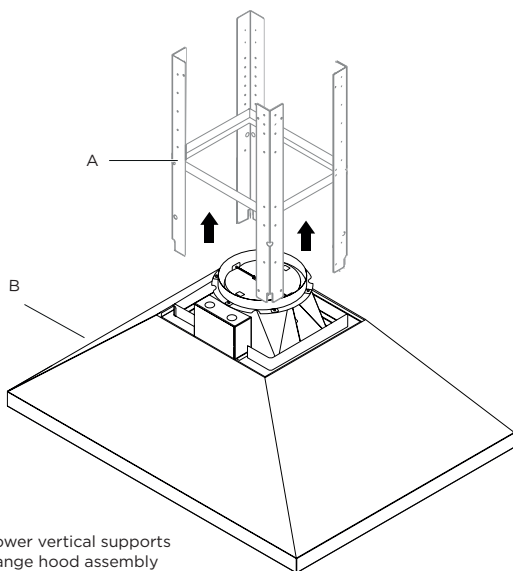


A. 4 - Upper vertical supports
B. 16 - 4.2 x 8 mm screws

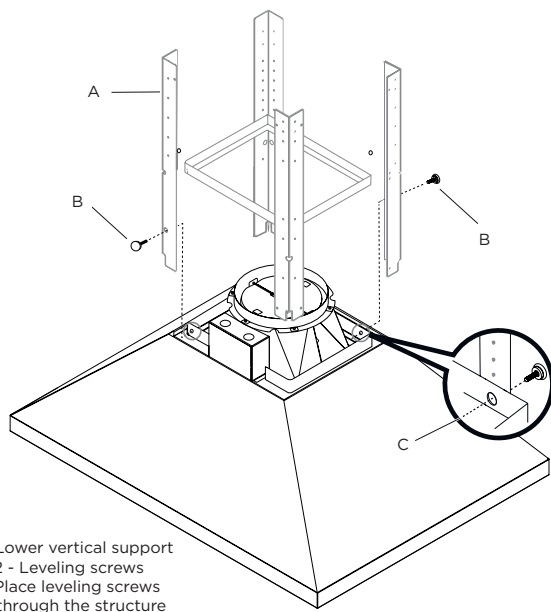
- 7** Install the structure to the horizontal support with 16 - 4.2 x 8 mm screws.



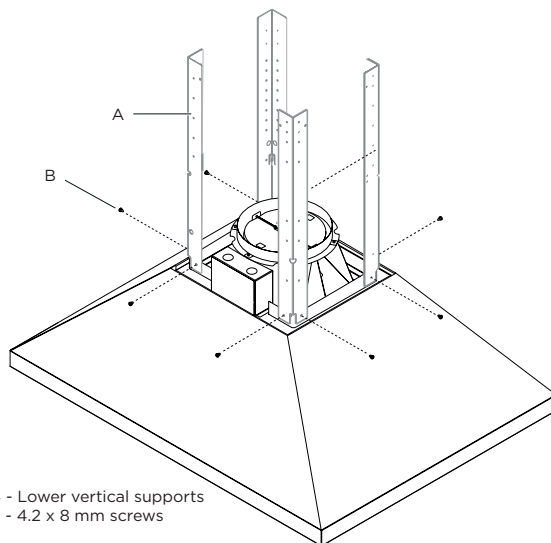
- 8** Using 2 or more people, lift the range hood assembly under the structure.



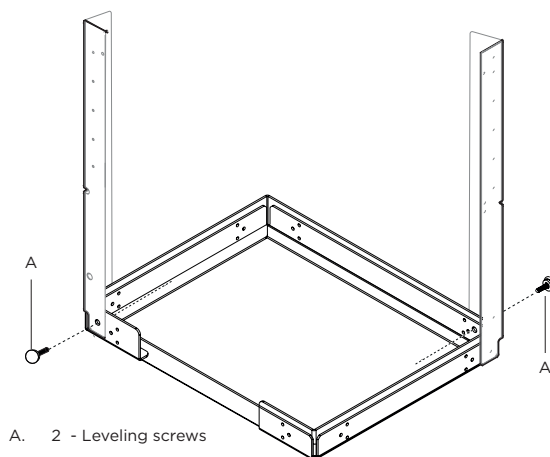
- 9** Attach the range hood assembly to the lower vertical supports with 2 leveling screws.



- 10** Install the 4 vertical supports with 8 - 4.2 x 8 mm screws. Check everything is tightly screwed.



- 11** Remove the 2 leveling screws from the structure.

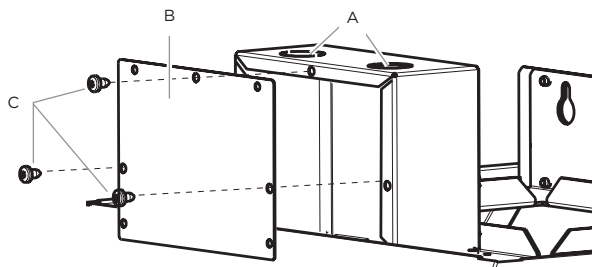


Electrical connection

⚠ WARNING
ELECTRICAL SHOCK HAZARD.

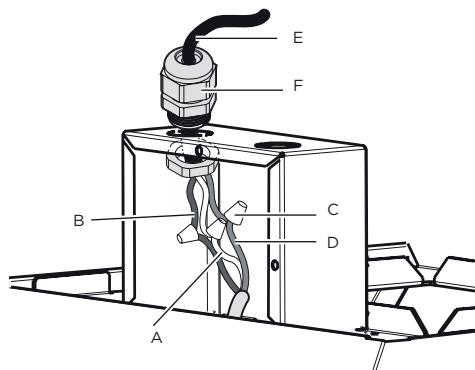
⚠ WARNING
DISCONNECT POWER BEFORE SERVICING.
REPLACE ALL PARTS AND PANELS BEFORE OPERATING.
FAILURE TO DO SO CAN RESULT IN DEATH OR ELECTRICAL SHOCK.

- 1 Disconnect power.
- 2 Remove terminal box cover.
- 3 Remove the knockout in the terminal box cover and install a UL listed or CSA approved ½" strain relief.



A. Knockout
B. Junction box cover
C. Junction box cover screws

- 4 Run home power supply cable through strain relief, into terminal box.



A. White wires
B. Black wires
C. UL listed wire connectors
D. Green, Bare or Yellow/Green wires
E. Home power supply
F. UL listed or CSA approved ½" strain relief

- 5 Use UL listed wire connectors and connect black wires (B) together.
- 6 Use UL listed wire connectors and connect white wires (A) together.

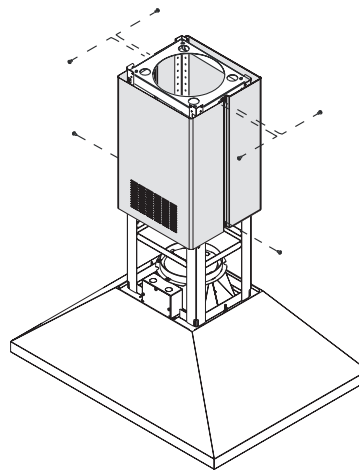
⚠ WARNING
ELECTRICAL SHOCK HAZARD.

⚠ WARNING
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.

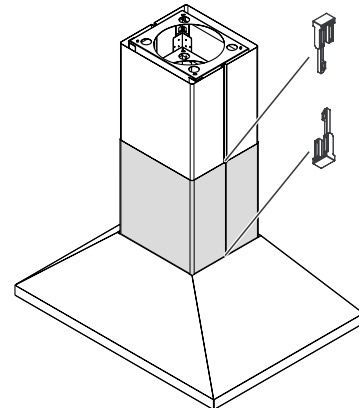
- 7 Connect green (or bare) ground wire from home power supply to yellow-green ground wire (D) in terminal box using UL listed wire connectors.
- 8 Tighten strain relief screw.
- 9 Install terminal box cover.
- 10 Check that all light bulbs are secure in their sockets.
- 11 Reconnect power.

Complete installation

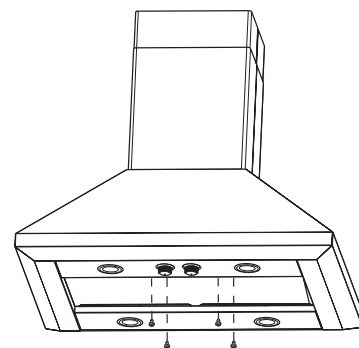
- Attach the upper duct covers using 6 - 3.5x6.5 mm screws.



- Place lower duct covers using one plastic bracket at each side (4 needed).



- The lower duct cover shall be secured to rangehood by 4 screws.



- Install the grease filter and turn power on at service panel.
- Check operation of the hood.

If range hood does not operate:

- Check that the circuit breaker is not tripped or the house fuse blown.
- Disconnect power supply. Check that wiring is correct.

To get the most efficient use from your new range hood, read the "Description of the Hood" and "Control" sections.

Keep your Installation Instructions and Use and Care Guide close to range hood for easy reference.