

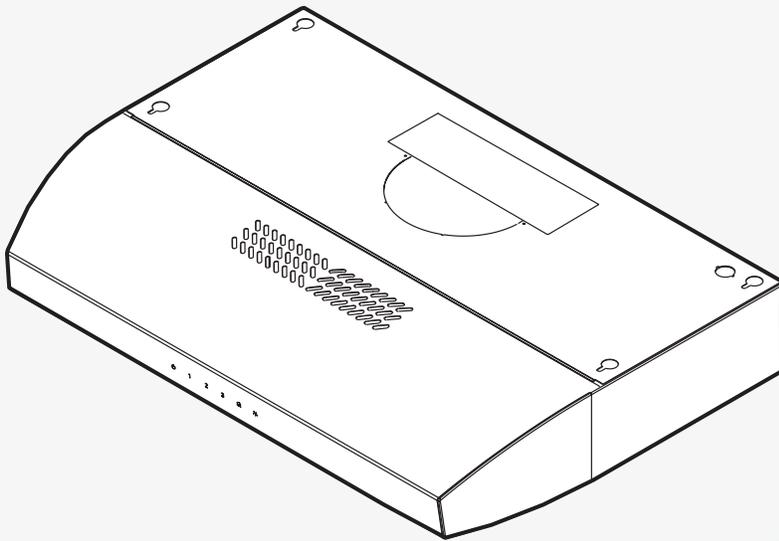
# Use, Care, and Installation Guide

---

Guide  
d'utilisation,  
d'entretien et  
d'installation

---

Guía de  
instalación, uso y  
mantenimiento



READ AND SAVE THESE  
INSTRUCTIONS

---

LISEZ CES  
INSTRUCTIONS ET  
CONSERVEZ-LES

---

LEA Y CONSERVE  
ESTAS INSTRUCCIONES

**Models:** | EAI430SS  
EAI436SS

**Contents**

Important safety notice..... 3

    Electrical & installation requirements ..... 4

    Before installing the hood ..... 4

Dimensions and clearances..... 4

List of materials.....5

    Parts supplied .....5

    Parts not supplied .....5

Ducting options and examples..... 6

Installation ..... 7

    Electrical connection..... 9

    Complete the installation..... 9

Description of the hood.....9

Control.....10

Maintenance .....10

Warranty ..... 12

**APPROVED FOR RESIDENTIAL APPLIANCES  
FOR RESIDENTIAL USE ONLY  
READ AND SAVE THESE INSTRUCTIONS**

**PLEASE READ ENTIRE INSTRUCTIONS BEFORE PROCEEDING.  
INSTALLATION MUST COMPLY WITH ALL LOCAL CODES.**

**IMPORTANT:** Save these Instructions for the Local Electrical Inspector’s use.

**INSTALLER:** Please leave these Instructions with this unit for the owner.

**OWNER:** Please retain these instructions for future reference.

**Safety Warning:** Turn off power circuit at service panel and lock out panel, before wiring this appliance.

**Requirement:** 120 V AC, 60 Hz. 15 or 20 A Branch Circuit.

## ⚠ IMPORTANT SAFETY NOTICE

### ⚠ CAUTION

FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS OR VAPOURS.

### ⚠ WARNING

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

- A. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- B. Before servicing or cleaning the unit, switch power off at service panel and lock service panel 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.
- C. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes & standards, including fire-rated construction.
- D. 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 manufacturers guideline 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.
- E. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- F. Ducted systems must always be vented 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, ceilings, attics, crawl spaces, or garages.

### ⚠ WARNING

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

Install this hood in accordance with all requirements specified.

### ⚠ WARNING

To reduce the risk of fire or electric shock, do not use this hood with any external solid state speed control device.

### ⚠ WARNING

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE.

- a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b) Always turn hood ON when cooking at high heat or when flambeing food (I.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambe').
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d) Use proper pan size. Always use cookware appropriate for the size of the surface element.

### ⚠ WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS, IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:<sup>a</sup>

- a) SMOTHER FLAMES with a close-fitting lid, cookie sheet, or other metal tray, then turn off the gas burner or the electric element. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
- b) NEVER PICK UP A FLAMING PAN - you may be burned.
- c) DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.
- d) Use an extinguisher ONLY if:
  - 1) You know you have a class ABC extinguisher, and you already know how to operate it.
  - 2) The fire is small and contained in the area where it started.
  - 3) The fire department is being called.
  - 4) You can fight the fire with your back to an exit.
- e) Ducted fans must always be vented to the outdoor.

<sup>a</sup>Based on "Kitchen Fire Safety Tips" published by NFPA.

# 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:

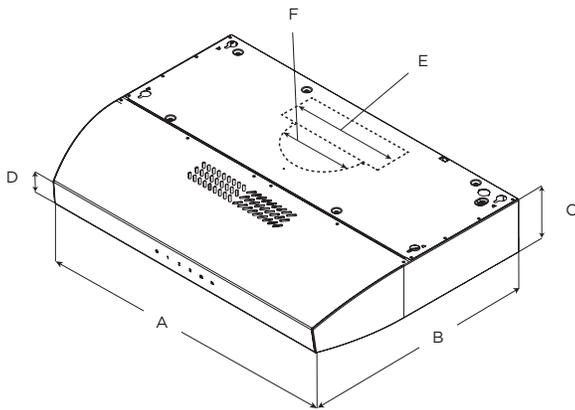
\* National Fire Protection Association Batterymarch Park Quincy, Massachusetts 02269

\*\* 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.

# DIMENSIONS AND CLEARANCES



	Models	
	EAI430SS	EAI436SS
<b>A</b>	30" (76.2 cm)	36" (91.4 cm)
<b>B</b>	20" (51.2 cm)	
<b>C</b>	4 $\frac{7}{8}$ " (12 cm)	
<b>D</b>	2" (5.2 cm)	
<b>E</b>	3 $\frac{1}{4}$ " x 10" (8.3 x 25.4 cm)	
<b>F</b>	7" (17.8 cm)	

# LIST OF MATERIALS

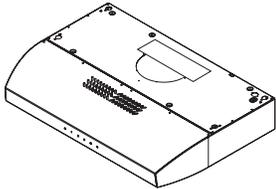
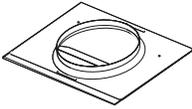
Removing the packaging.

**⚠ 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
 <p>Hood assembly and LED lamps already installed</p>	1	 <p>Rectangular duct 3 1/4" x 10" (8.3 x 25.4 cm) with back draft dampers</p>	1
 <p>4.5x13 mm</p>	4	 <p>7" (17.8 cm) round transition</p>	1
 <p>3.5x6.5 mm</p>	1		

Parts no supplied

**Tools/Materials required**

- Drill
- 1/4" (3.0 cm) drill bit
- 1/8" (3.0 mm) drill bit for pilot holes
- Pencil
- Wire stripper or utility knife
- Tape measure or ruler
- Caulking gun and weatherproof caulking compound
- Saber or keyhole saw
- Metal snips
- Screwdrivers:
  - Phillips
  - Flat-blade

**Optional accessories and consumable parts**

KIT	# Part	
	30" (76.2 cm)	36" (91.4 cm)
<b>Recirculating Kit</b>	KIT02178 (EBLRCK02)	KIT02179 (EBLRCK03)
<b>7" Round Kit</b>	KIT02723 (EXXNRVRD)	
<b>Upgrade Filters Kit</b>	KIT02591 (EBLGFK30)	KIT02592 (EBLGFK36)

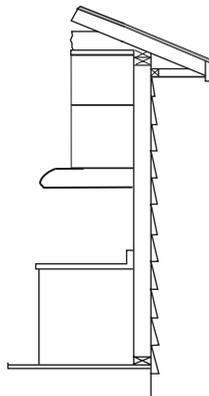
## Ducting Options

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.

### Ductless (Recirculating)

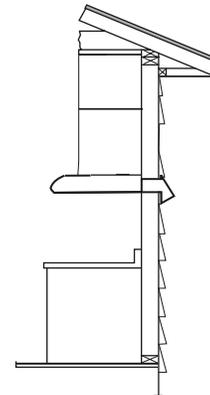
**NOTE:**

In cases where it should not be possible to discharge cooking fumes and vapour to the outside, purchase: The Ductless Recirculating Kit.



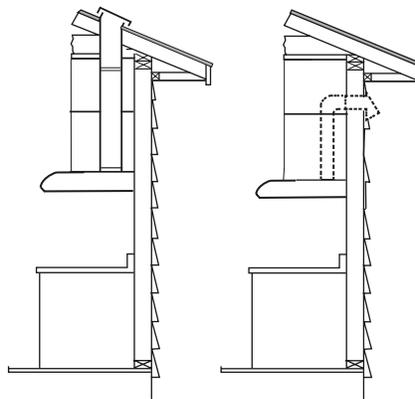
### Horizontal Discharge

Use a rectangular duct 3¼" x 10" for discharge of fumes to the outside.



### Vertical Discharge

Use a rectangular duct 3¼" x 10" or use a 7" (17.8 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**

THAT THE BOTTOM EDGE IS AT 30" (76.2 CM) ABOVE THE COOKING SURFACE.

FOR ELECTRIC RANGES INSTALLATION: MOUNT THIS HOOD SO THAT THE BOTTOM IS NOT LESS THAN 24" (61 CM) AND NOT MORE THAT 30" (76.2 CM) ABOVE THE COOKING SURFACE.

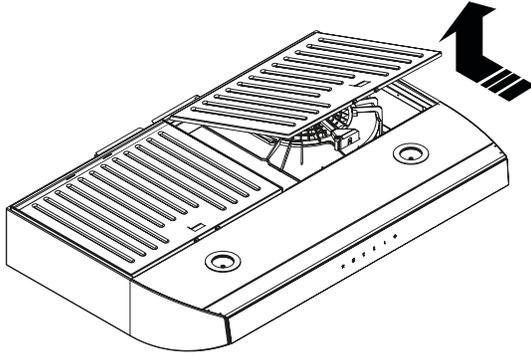
HOUSEHOLD USE. PLEASE, READ INSTALLATION MANUAL FOR SPECIFIC APPLICATION.

Check your ceiling height and the hood height maximum before you select your hood.

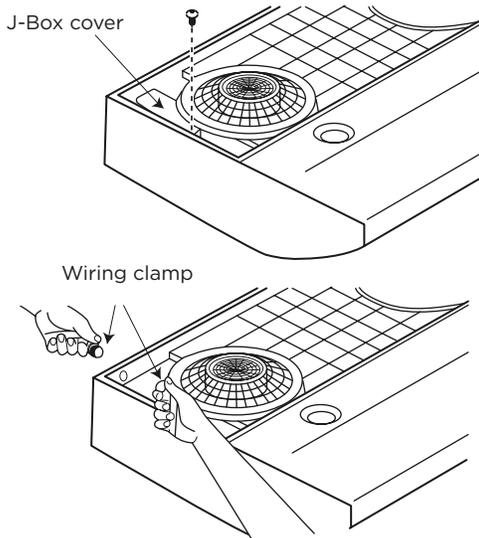
# Installation- Ducting Version

After having chosen the vent option, proceed as follows:

- 1 Remove the grease filters.



- 2 Remove the junction box cover. Remove either the top or the back wiring knockout according to the preference and install an approved wiring clamp.



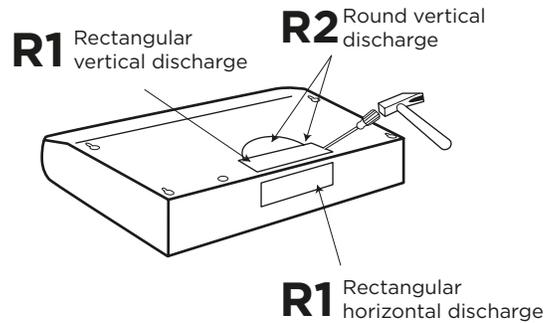
- 3 Remove the duct knockouts using a flat blade screwdriver and a small hammer. Use the screwdriver by knocking out the panel in similar fashion to a scalpel. Take care of sharp edges.

### ⚠ATTENTION

If it is intended to use the hood in the recirculating version do not remove any duct knockouts and order the necessary charcoal filter from your supplier.

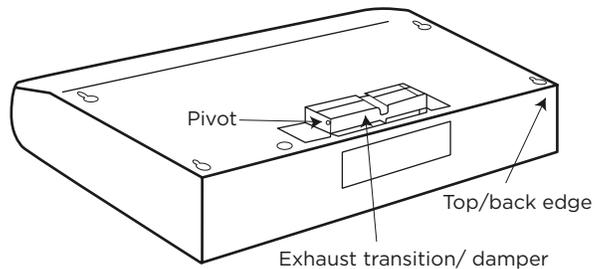
**R1** = Remove rectangular duct knockout only.

**R2** = Remove semicircular and rectangular duct knockouts.



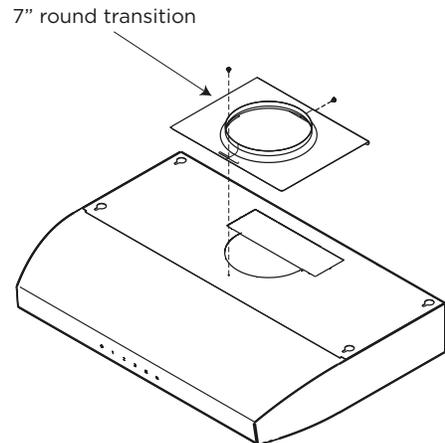
- 4 For rectangular ducted discharge installations only. Attach exhaust adaptor/damper over knockout opening with two exhaust adaptor screws. Make sure damper pivot is nearest to top/back edge of hood. Remove tape from damper flap.

**NOTE:** The exhaust adaptor/damper can be installed up to 1 inch on either side of the hood center to accommodate off-center ductwork. In extreme offcenter installations, one end of the duct connector may need to be trimmed to clear the electrical cable clamp.



- 5 For round ducted discharge installations install 7" (17.8 cm) transition with its screws (2).

**NOTE:** The round transition can be installed up to 1 inch on either side of the hood center to accommodate off-center ductwork. In extreme offcenter installations, one end of the duct connector may need to be trimmed to clear the electrical cable clamp.



## Mark holes

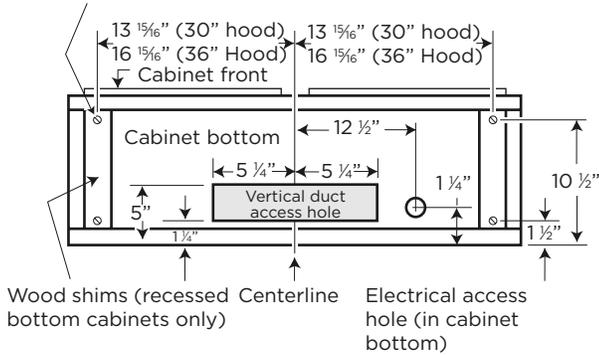
- 1 Select the vent option that your installation will require and proceed to that section:

### 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.

Hood mounting screws (4)

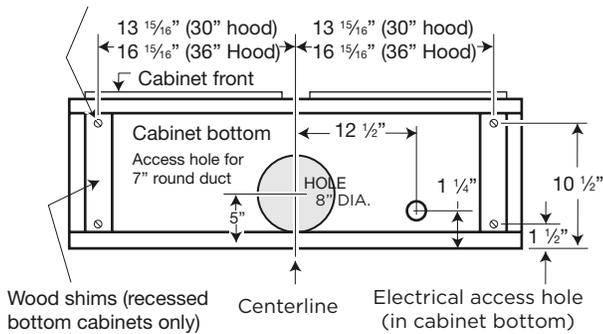


### Outside top exhaust (Only recirculating version)

(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.

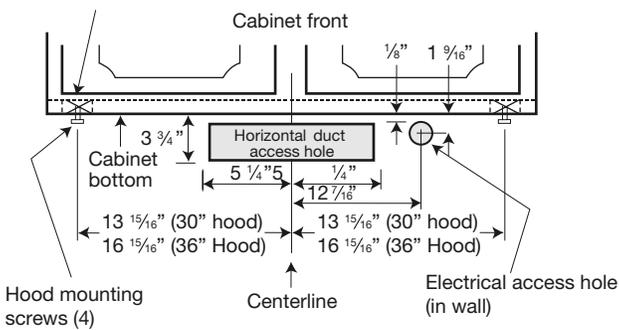
Hood mounting screws (4)



### 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.



## Installation- Recirculating

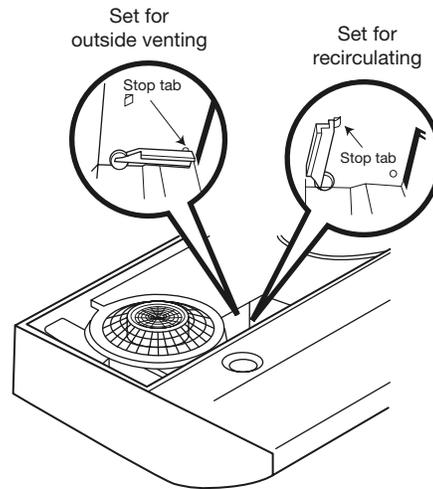
Use the hood as a template and mark the locations on the cabinet for the electrical wiring and keyhole screw slots. Since the hood is to be recirculated (not to be vented outside), do not cut out any vent openings in the wall or cabinet bottom.

### Choose Venting Option

- 1 The hood can be set to vent outside or to recirculate air back into the kitchen. The plastic vent lever is located near the center of the hood opening.

To vent to the outside, make sure the plastic vent lever is in the HORIZONTAL position (flat against the metal top of the hood). To recirculate air into the kitchen, make sure the plastic vent lever is in the VERTICAL position (flat against the plastic blower housing).

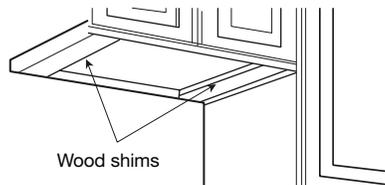
**NOTE:** In order to change the vent lever position, you will need to pull the lever out slightly to clear the plastic tabs.



Hood shown lying upside down

### For recessed bottom cabinet only

- 1 If the cabinets have front, side or back trim, make 2 wood shims the width of the trim and attach them to the cabinet bottom recess on both sides. See previous page for marking locations.



- 2 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".
- 3 Drive a mounting screw (from the hardware packet) partway into each center of the narrow neck of the keyhole slots marked on the cabinet bottom.
- 4 Fix the wiring conduit to the hood.
- 5 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. Connect Ductwork to hood.

## Electrical Connection

### ⚠️WARNING

ELECTRICAL SHOCK HAZARD.

### ⚠️WARNING

TURN OFF POWER CIRCUIT AT THE SERVICE PANEL BEFORE WIRING THIS UNIT.

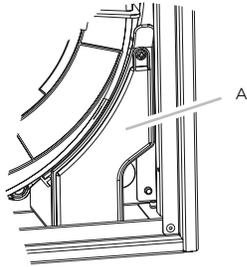
120 VAC, 15 OR 20 AMP CIRCUIT REQUIRED.

### ELECTRICAL GROUNDING INSTRUCTIONS

THIS APPLIANCE IS FITTED WITH AN ELECTRICAL JUNCTION BOX WITH 3 WIRES, ONE OF WHICH (GREEN/YELLOW) SERVES TO GROUND THE APPLIANCE. TO PROTECT YOU AGAINST ELECTRIC SHOCK, THE GREEN AND YELLOW WIRE MUST BE CONNECTED TO THE GROUNDING WIRE IN YOUR HOME ELECTRICAL SYSTEM, AND IT MUST UNDER NO CIRCUMSTANCES BE CUT OR REMOVED.

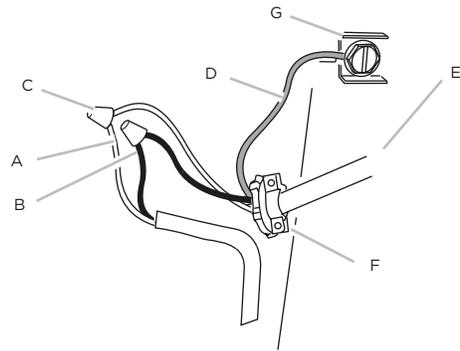
**Failure to do so can result in death or electrical shock.**

- Remove the knockout and the Junction box cover and install the conduit connector (cULus listed) in junction box.



A. Terminal box cover

- Run 3 wires; black, white and green, according to the National Electrical Code and local codes and ordinances, in 1/2" conduit from service panel to junction box.



- |                                |  |
|--------------------------------|--|
| A. White wires                 | E. Home power supply cable or power cord accessory kit |
| B. Black wires                 | F. UL listed or CSA approved 1/2" strain relief        |
| C. UL listed wire connector    | G. Green ground screw                                  |
| D. Green (or bare) ground wire |  |

- Connect black wire from service panel to black or red in junction box, white to white and green to green-yellow.
- Close and secure junction box cover.

## Complete Installation

Replace filters.

Check operation of the hood.

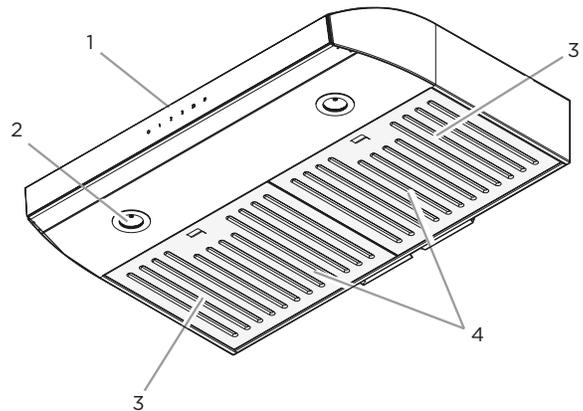
### If range hood does not operate:

- 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 "Maintenance" section.**

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

## Description of the Hood



- Blower and light controls
- LED lamps
- Grease filter handle
- Grease filter

## Control



1. Button ON/OFF motor (stand by)
2. Button for low speed (suction power) selection  
When flashing, it indicates that you must wash the grease filter.
3. Button for medium speed (suction power) selection
4. Button for high speed (suction power) selection
5. Button for intensive speed (suction power) selection  
It lasts 5 minutes then it returns to medium speed (suction power).
6. Button ON/OFF lighting  
Press briefly to switch on or off the lighting of the hood.  
Press and hold to adjust the intensity of the light.

### Indicators of filter saturation:

At regular time intervals, the hood indicates the need of performing filter maintenance.

**Button  on with steady light:**  
Perform grease filter maintenance.

**Button  flashing:**  
Perform activated charcoal filter maintenance.

**Note:** Filter saturation signal is visible within the first minute after switching off the hood; within this time, the reset of saturation indicators must be performed.

### Reset of filter saturation indicators:

Press and hold the button .

### Activation of saturation indicator activated charcoal filter:

**Note:** This operation must be performed with the hood off. This indicator is normally deactivated; press and hold the

button  to activate the function: the button lights up with steady light.

To deactivate the function, press and hold the button , the button lights up flashing.

### Before operating your hood:

Some regions and provinces of the US and Canada restrict the exhausting power of range hoods to performances below certain values. These values are underlined in the local code for your area.

Please check your local code to find out if you will need to restrict the power of your hood.  
If your local code restricts the performance values of range hoods, please execute the following button-pressing sequence:

### Low performance:

This function allows to lock the user interface to control the third and four speeds.

This function can be enabled only with motor OFF.



- Press the ON/OFF (1) and Intensive speed (5) buttons together for 3 seconds.
- You will hear a *beep* and all control lights will go on for 3 seconds.

The 3rd and 4th speeds will be Disabled.

## Maintenance

### Cleaning

Do not spray cleaners directly to the control while cleaning the Hood. The cooker hood should be cleaned regularly (at least with the same frequency with which you carry out maintenance of the fat filters) internally and externally. Clean using the cloth dampened with neutral liquid detergent. Do not use abrasive products.  
**DO NOT USE ALCOHOL!**

### ⚠ WARNING:

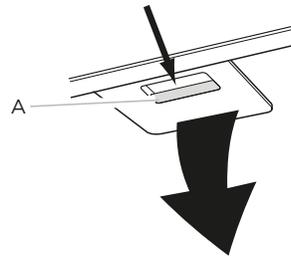
Failure to carry out the basic cleaning recommendations of the cooker hood and replacement of the filters may cause fire risks. Therefore, we recommend observing these instructions. The manufacturer declines all responsibility for any damage to the motor or any fire damage linked to inappropriate maintenance or failure to observe the above safety recommendations.

### Grease Filter

Traps cooking grease particles.

This must be cleaned once a month using non aggressive detergents, either by hand or in the dishwasher, which must be set to a low temperature and a short cycle. When washed in a dishwasher, the grease filter may discolour slightly, but this does not affect its filtering capacity.

To remove the grease filter, pull the spring release handle.



### Replacing a LED Lamp

The LED lights are replaceable by a service technician only. See "Assistance and Service" section for service contact information.

### Charcoal Filter

If the model is not vented to the outside, the air will be recirculated through disposable charcoal filters that help remove smoke and odors.

The charcoal filters cannot be cleaned.

They must be replaced.

The charcoal filters are clipped inside of each metal grease filter (mounting instructions included with charcoal filters kit).

The charcoal filters should be replaced every 4-6 months (depending on hood usage).

**NOTE:** DO NOT rinse, or put charcoal filters in an automatic dishwasher.

**NOTE:** Charcoal filters are not included with the hood. They must be ordered from your supplier.

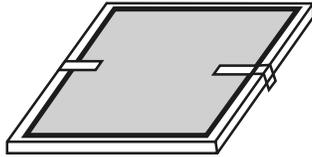
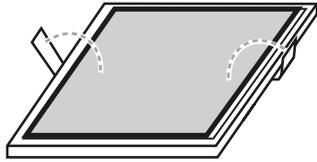
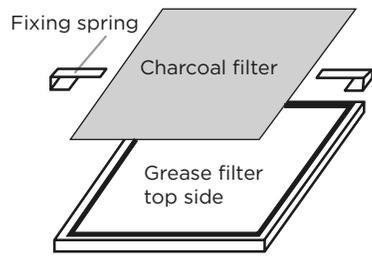
Order the needed kit specifying your hood model and width size.

### Charcoal filter placement (Recirculating accessories)

Fit the charcoal filter mattress on the upper side of each grease filter.

Use provided springs to fix it in place.

**NOTE:** When removing for replacing for a new one do not remove Fixing Springs, simply pull out one and rotate outwards.



# ELICA North America

## TWO-YEARS LIMITED WARRANTY

### TO OBTAIN SERVICE UNDER WARRANTY

Owner must present proof of original purchase date. Please keep a copy of your dated proof of purchase (sales slip) in order to obtain service under warranty.

### PARTS AND SERVICE WARRANTY

For the period of two (2) years from the date of the original purchase, Elica will provide free of charge, non consumable parts or components that failed due to manufacturing defects. During these two (2) years limited warranty, Elica will also provide free of charge, all labor and in-home service to replace any defective parts.

### WHAT IS NOT COVERED

- Damage or failure to the product caused by accident or act of God, such as, flood, fire or earthquake.
- Damage or failure caused by modification of the product or use of non-genuine parts.
- Damage or failure to the product caused during delivery, handling or installation.
- Damage or failure to the product caused by operator abuse.
- Damage or failure to the product caused by dwelling fuse replacement or resetting of circuit breakers.
- Damage or failure caused by use of product in a commercial application.
- Service trips to dwelling to provide use or installation guidance.
- Light bulbs, metal or carbon filters and any other consumable part.
- Normal wear of finish.
- Wear to finish due to operator abuse, improper maintenance, use of corrosive or abrasive cleaning products/pads and oven cleaner products.

### WHO IS COVERED

This warranty is extended to the original purchaser for products purchased for ordinary residential use in North America (Including the United States, Guam, Puerto Rico, US Virgin Islands & Canada).

This warranty is non-transferable and applies only to the original purchaser and does not extend to subsequent owners of the product. This warranty is made expressly in lieu of all other warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose and all other obligations on the part of Elica North America, provided, however, that if the disclaimer of implied warranties is ineffective under applicable law, the duration of any implied warranty arising by operation of law shall be limited to two (2) years from the date of original purchase at retail or such longer period as may be required by applicable law.

This warranty does not cover any special, incidental and/or consequential damages, nor loss of profits, suffered by the original purchaser, its customers and/or the users of the Products.

### WHO TO CONTACT

To obtain service under warranty or for any service related question:

- Elica North America Authorized Service - 888 732 8018
- [elica@servicepower.com](mailto:elica@servicepower.com)



