

6 Installing the hood

Tools/Materials required

- Duct tape
- Wire nuts
- Tape to mount template
- 6" rounded metal duct, length to suit installation (5" optional)
- Measuring tape
- Pliers
- Gloves to protect against sharp edges
- Knife
- Safety glasses
- Electric drill with 5/32" bit
- Strain relief
- Spirit level
- Phillips (Pozidrive) # 2 screwdriver + torx # 2
- Wire cutter/stripper
- Masking tape
- Hammer
- Saw, jig saw or reciprocating saw

Installing the hood

➔ IMPORTANT

We recommend that two people carry out the installation. Pay attention to the procedure described in the assembly instructions.

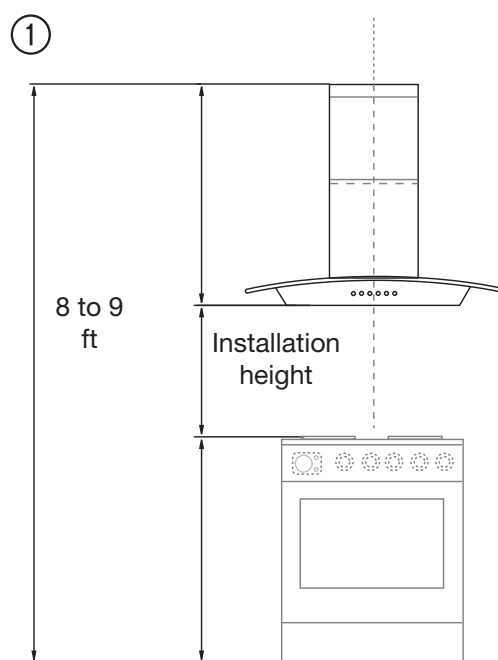


Preparation

- The vent hood should be on site before final framing and wall finishing. This will help to accurately locate the duct work and electrical service.
- Installation will be easier if the vent hood is installed before the cooktop and countertop are installed.

Ductwork and wiring locations:

- 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' equivalent length for any duct configurations.
- Refer to "Ductwork installation guidelines" chart to compute the maximum permissible length for duct runs to the outdoors (fig. ①).



Ducting installation guidelines

- For safety reasons, ducting should vent directly outdoors (not into an attic, underneath the house, into the garage or into any enclosed space). Keep duct runs as short and straight as possible. Duct fittings (elbows and transitions) reduce air flow efficiency. Back to back elbows and „S“ turns give very poor delivery and are not recommended. A short straight length of duct at the inlet of the remote blower gives the best delivery. Transition to duct from the integral blower or remote duct transition as close to the downdraft as is possible.
 - In order of preference, use
 - ➔ 1st. 6" round duct
 - ➔ 2nd. 5" round duct
- Use of flexible metal round duct: Limit use to short lengths and do not crush when making corners.
- 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.
 - Use 6" rounded metal duct (5" optional) only.

Removing the packaging

CAUTION

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

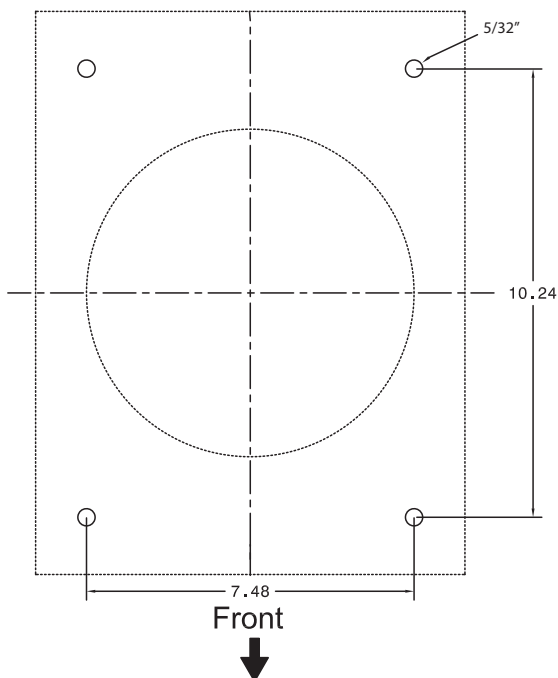
WARNING

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

Ceiling Support Structures

- This vent hood is heavy. Adequate structure and support must be provided in all types of installations. Framing must support minimum 150lb load.
- 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.) (fig. ②)
- Arrange cross framing in the ceiling to suit the existing structure (fig. ③).
- Your ceiling joists will be like one of the following examples.

②



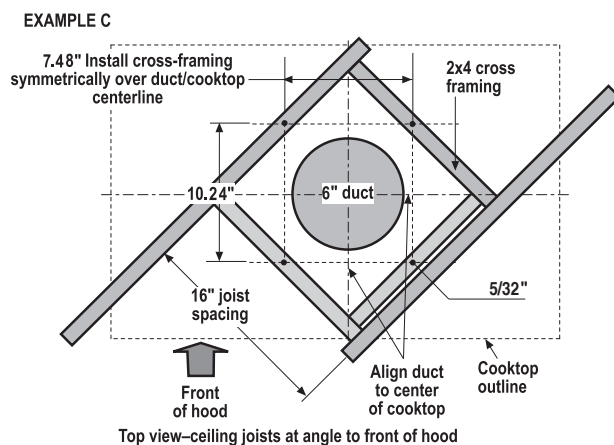
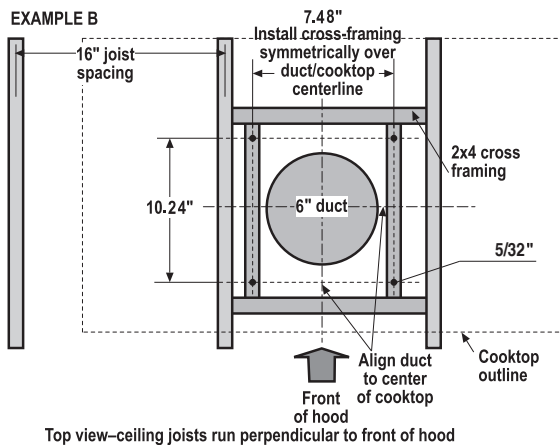
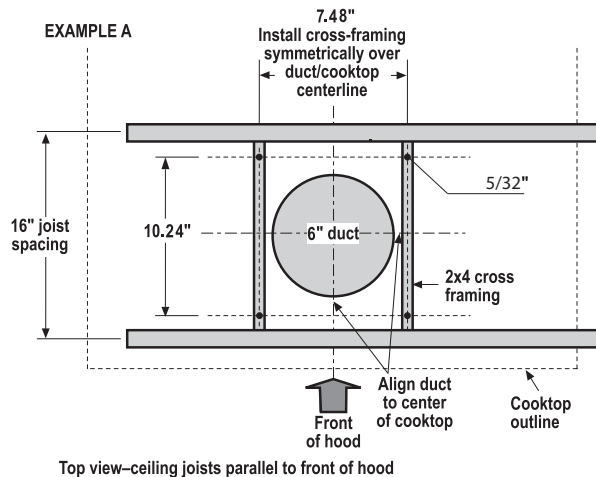
NOTE: Do not cut the duct opening shown on the template for the recirculating installation.



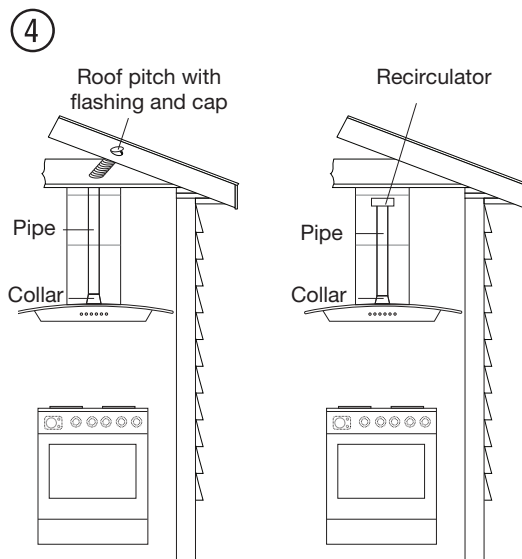
IMPORTANT

Framing must be capable of supporting 150lbs.

③



Examples of possible ducting or air recirculation



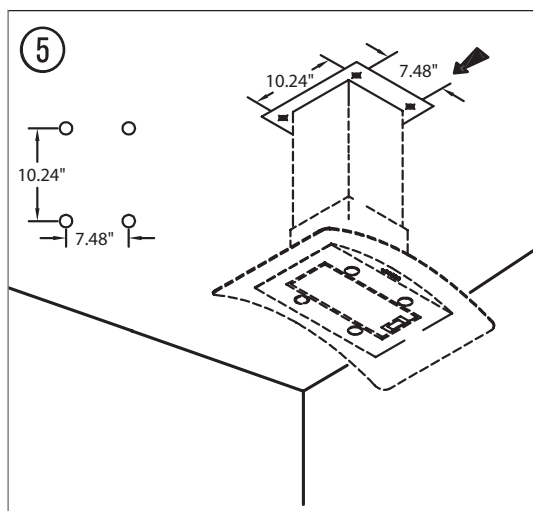
Installing range hood to the ceiling (Exhaust operation)

➔ IMPORTANT

This range hood is very heavy. Adequate structure and support must be provided in all types of installations.

Step 1:

- Make sure that no cables or pipes will become damaged (e.g. electric, gas, water; test the areas in question with a cable detector).
- Using the template, mark and drill 4 holes into the ceiling. Measure as displayed in diagram (fig. ⑤). The holes must be drilled into a wood structure capable to support 150lbs load.



NOTE

Have a suitable ladder ready so that you can easily reach up to the ceiling.

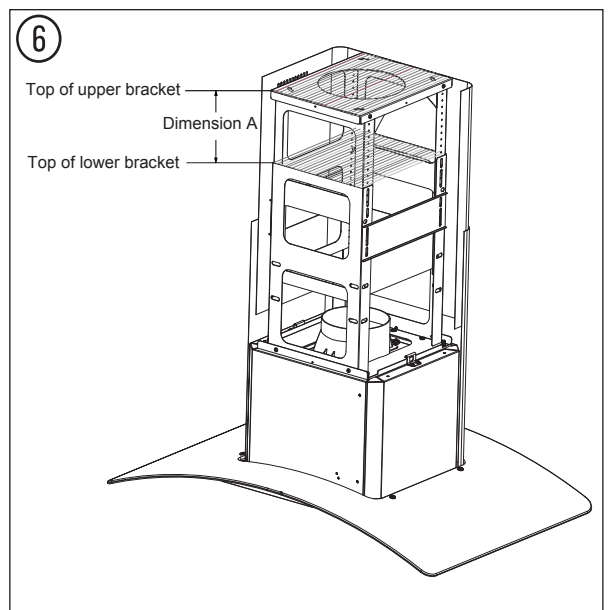
Desired range hood distance above a 36" high cooktop

Ceiling height			
	8 feet	9 feet	10 feet *1
	A*2	A*2	A*2
24"	6-25/32"		
25"	5-25/32"		
26"*3	4-25/32"		
27"*3	3-25/32"		
28"*3	2-25/32"		
29"*3	1-25/32"	13-25/32"	13-25/32"
30"*3	25/32"	12-25/32"	12-25/32"
31"*3		11-25/32"	11-25/32"
32"*3		10-25/32"	10-25/32"
33"		9-25/32"	9-25/32"
34"		8-25/32"	8-25/32"
35"		7-25/32"	7-25/32"
36"		6-25/32"	6-25/32"

*1 with 10' extension chimney kit (17) - not supplied. Please call Electrolux at **1.800.944.9044** to order this kit.

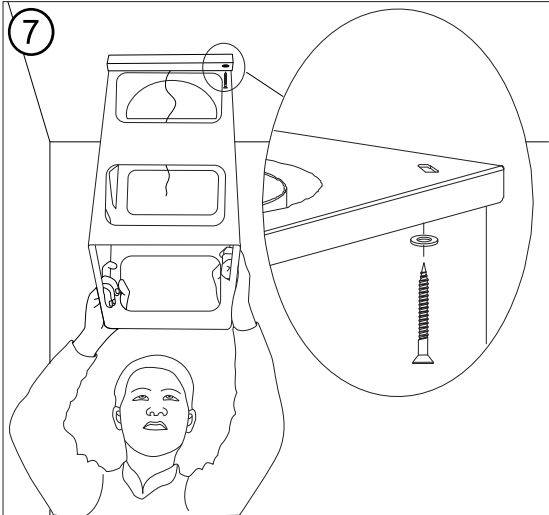
*2 "Dimension A" in the chart represents the height from the top of upper bracket to the top of lower bracket (fig. ⑥).

*3 Recommended mounting height.



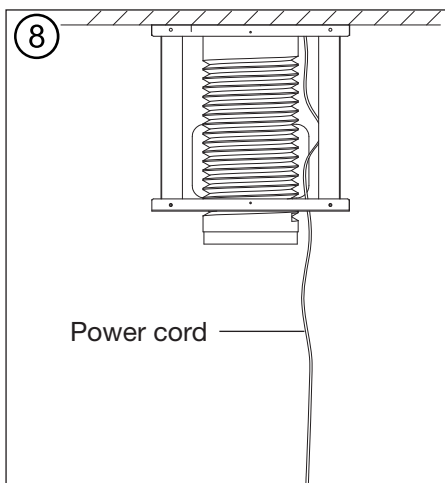
Step 2:

- Mount the upper bracket (4) onto the ceiling with 4 sets of long screws (10) and washers (11) (fig. ⑦).
- Make sure the power cable for the range hood is routed inside the bracket.



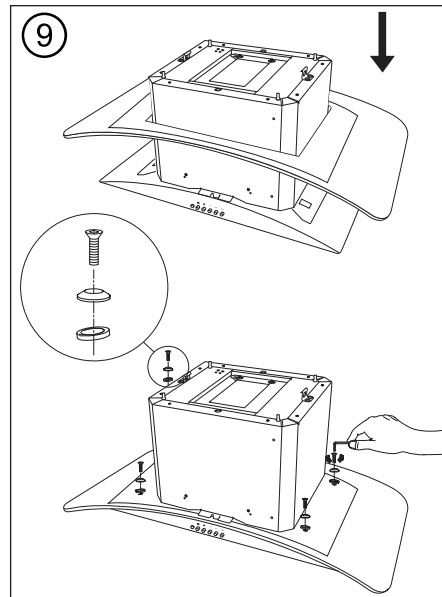
- Depending on the ceiling height ensure required power cable length. See the table and fig. ⑧ below for reference.

Ceiling height			
	8 feet	9 feet	10 feet
Power cable length	3.3 feet	4.3 feet	3.3 feet



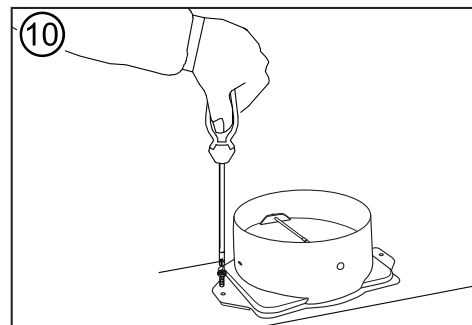
Step 3:

- Mount the glass cover (2) onto the range hood (1). Use the allen key (16) to secure it with 4 sets of bolts, rubber washers, and washers (9) (fig. ⑨).



Step 4:

- Attach the collar (6) to the range hood (1). Secure it with 2 short screws (19) (fig. ⑩).

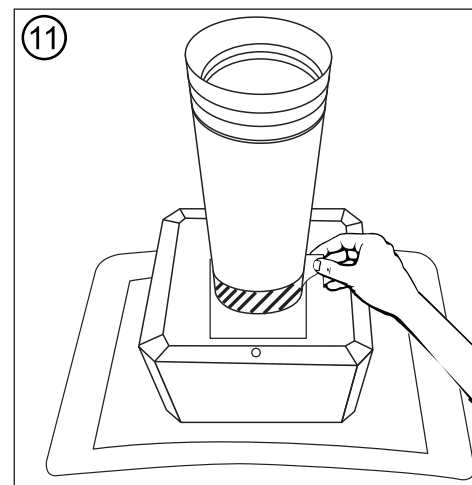


NOTE

Sometimes, sponge tape covers the holes. If the holes are located behind the sponge tape, simply insert the screw through the sponge tape.

Step 5:

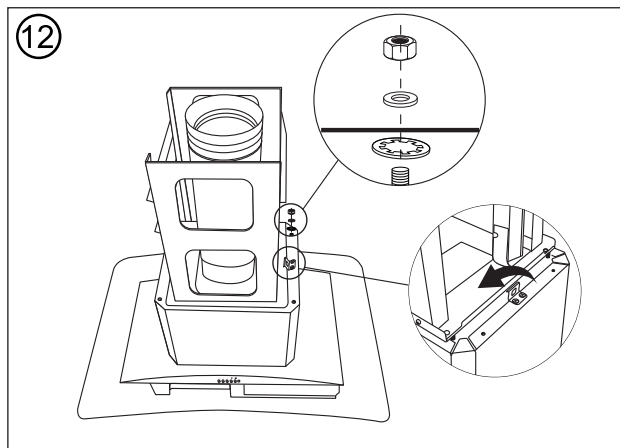
- Place the exhaust duct onto the collar (6) and secure it with duct tape (not provided) (fig. ⑪).



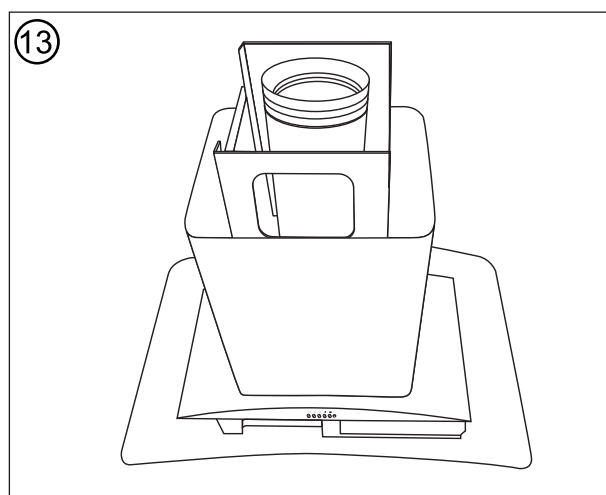
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Step 6:

- Install the lower bracket (5) onto the range hood (1) and secure it with 4 sets of nuts (13), span washers (14) and washers (15) (fig. 12).

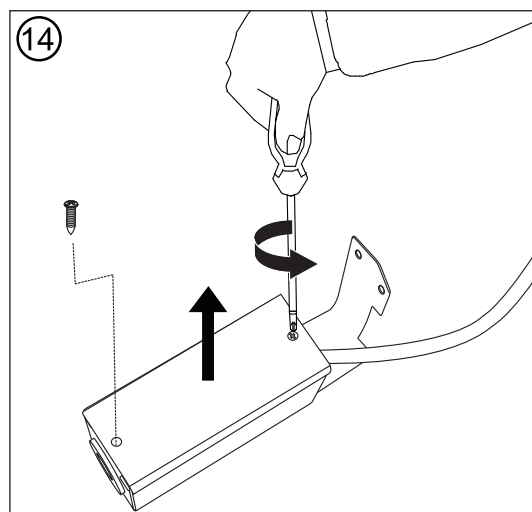


- Install the upper and lower chimney (3) onto the range hood (1) (fig. 13).

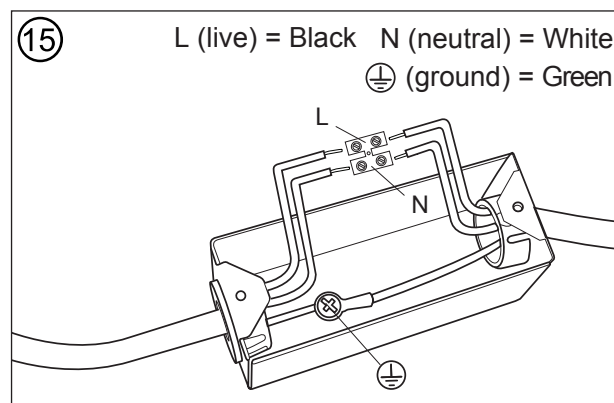


Step 7:

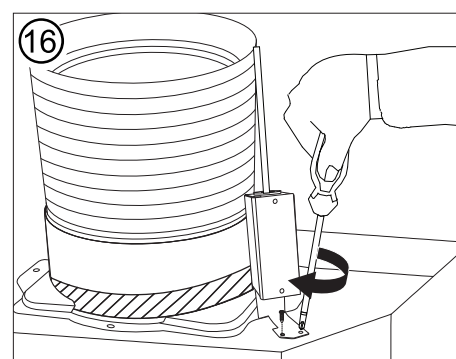
- Loosen the 2 short screws from the junction box and remove the cover (fig. 14).



- Place the range hood above the cooktop.
- Connect the incoming positive, neutral and ground cables to the respective terminals. The ground cable is already pre-assembled onto the junction box to provide grounding (fig. 15).



- Replace the junction box cover and secure it with previously removed 2 short screws.
- Mount the junction box onto the range hood using 2 short screws (20) (fig. 16).



Electrical connections

DANGER

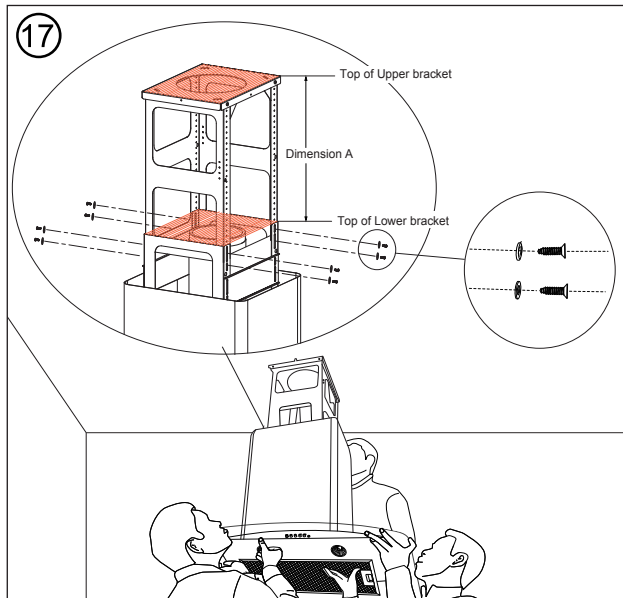
Danger of electric shock! All fittings must be installed by a competent person in accordance with current wiring regulations and local building regulations. If in doubt, consult a qualified electrician.

IMPORTANT

Always switch off the electricity supply at the mains during installation, cleaning and maintenance. We recommend that the fuse is withdrawn or circuit breaker switched off at the distribution board while work is in progress.

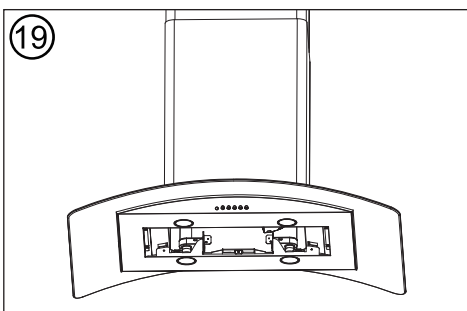
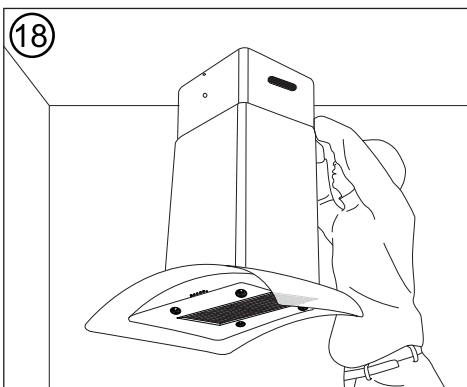
Step 8:

- Lift the assembled range hood (1) and fix it to the upper bracket (4) with 8 short screws (19) and washers (12) [4 on each side] (fig. 17).
- In assembling the upper bracket to lower bracket that Dimension A on page 8 should be reference to make the correct mounting height above the cooktop.



Step 9:

- Fix the upper and lower chimney with 4 short screws (fig. 18 19).



- Secure the lower chimney to the lower bracket (5) and upper chimney to the upper bracket (4) on both sides with 2 short screws (19) each.



CAUTION

Danger of injury. The chimney skirts may have some sharp edges.



Exhaust operation

- During exhaust operation, the range hood removes air from a room. If other fire sources that require the surrounding air for combustion are being operated in the same room, (e.g. gas, oil or coal heaters), the oxygen they require is taken away. Thus flames could be suffocated and gas could leak out or the fumes could be drawn back into the room.
- In order to guarantee a safe operation, there should be non-closable openings in doors, windows to ensure a fresh supply of combustion air. This will prevent the combustion fumes from being drawn back into the room.
- When assessing the measures necessary, always take the entire ventilation system of the house into consideration.
- Never secure the range hood to a ventilation duct, or a room or exhaust gas chimney! Do not let the air that is removed from the room be drawn into a duct where warm air is circulating. The extracted air should only be drawn outdoors through a separate ventilating duct that is only for the extractor hood.
- When in extraction mode, air in the room is being removed by the range hood. Please make sure that proper ventilation measures are being observed. The range hood removes odors from room but not steam.
- There shall be adequate ventilation of the room when the range hood is used at the same time as appliances burning gas or other fuels (not applicable to appliances that only discharge the air back into the room).
- The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels (not applicable to appliances that only discharge the air back into the room).

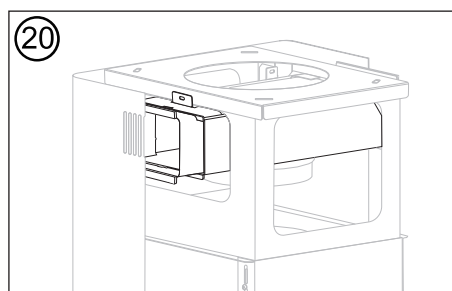
Air recirculation operation

- **Recirculated air:** Kitchen fumes are removed and after purification are fed back into the room through the upper ventilation openings. The purification takes place via metallic anti-grease filter. No ceiling breakthrough is required for *Recirculated air operation*.

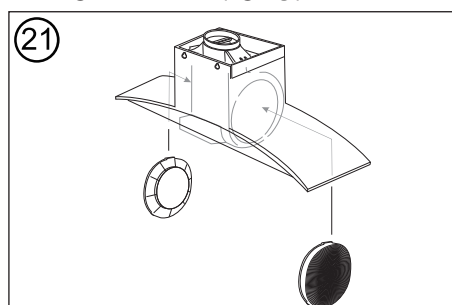
12 Operation / Cleaning and maintenance

Installing range hood to the ceiling in recirculation mode

- For the operation of the range hood with **Recirculation mode**, a recirculator, model no. FHPRKT60LS, needs to be obtained. Please call **Frigidaire** at **1.800.944.9044** to order this kit.
- Fix the recirculation kit (7) to the upper bracket (4) with 2 short screws (20) (fig. 20).



- Connect the upper end of exhaust duct to the recirculation kit.
- Take out the grease filter and fit charcoal filters to two lateral sides of the motor blower. Assemble back the grease filter (fig. 21).



Operation

- Press one of the speed (• / •• / •••) buttons to turn the appliance on.

Button	Function
o	Press button o to switch the appliance off (pilot lamp is lit when appliance is switched on).
•	Press button • for low speed.
••	Press button •• for medium speed.
•••	Press button ••• for high speed.
☀	Press button ☀ to turn on lights. Press again to switch lights off.

For best performance

NOTE

Continuous use of range hood while cooking helps keep the kitchen comfortable and less humid.

It also reduces cooking odors and soiling moisture that create a frequent need for cleaning.

- Turn on the range hood before starting to cook.
- Clean the filters frequently (refer to **Cleaning and maintenance** below).
- Use low speed for normal use and higher speed for strong odors or fumes.

Cleaning and maintenance

Cleaning

DANGER

Always switch off the electricity supply at the mains during installation, cleaning and maintenance such as for light bulb replacement.

NOTE

The efficiency of the range hood depends on the cleanliness of the intake and filters. Grease should not be allowed to accumulate on hood or filter.

- Clean the appliance in the following intervals:

Regularly	Use a soft cloth moistened with hand-warm mildly soapy water or household cleaning detergent. Never use metal pads, chemical, abrasive material or stiff brush to clean the appliance.
Monthly	Metallic anti-grease filter: The filter collects grease, smoke and dust so the filter is directly affecting the efficiency of the range hood. If not cleaned, the grease residue (potential flammable) will saturate on the filter. Clean it with household cleaning detergent. The filter is dishwasher safe. Recirculator: clean the ventilation openings on the top sides.