



# Westinghouse

## UNDER CABINET RANGE HOOD



OWNER'S MANUAL

# QR090 / 457-8612

# QR091 / 457-8613

# QR102 / 457-8614

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## Safety Information

### READ AND SAVE THESE INSTRUCTIONS

**Warning - To reduce the risk of fire, electric shock, or injury to persons, observe the following:**

1. Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
2. Before servicing or cleaning unit, switch power off at service panel and lock service 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.
3. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
4. 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 manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into a wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.



**DANGER:** Turn off the power circuit breaker or the power switch on the junction box before installing or servicing this unit. Touching circuitry inside the range hood while it is energized will result in death or serious injury.



**DANGER:** All electrical wiring must be properly installed, insulated, and grounded. Improper insulation and grounding will result in deadly electrical shock.



**DANGER:** If installing this unit over a gas range, turn off the gas at the source before installing or servicing this unit.



**WARNING:** Attempting to install or service this unit when you do not have the necessary technical or electrical background could result in personal injury.



**WARNING:** The unit has sharp edges. Always wear safety gloves during installation, cleaning, or servicing.



**WARNING:** Always leave safety grills and filters in place. Without these components, operating fans could catch on to hair, fingers, or loose clothing.



**WARNING:** Stay clear of the rotating fan when the motor is running.



**WARNING:** Keep this appliance clean and free of grease and residue build-up at all times to prevent fires.



**CAUTION:** This device is for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

## Safety Information (continued)

### COOKING SAFETY INFORMATION

1. Never leave the range hood unattended when in use.
2. Never cook over open flames under the range hood.
1. Always turn the range hood on when cooking at high heat or when cooking flaming foods.
2. If you choose to hang the range hood as below (Fig. 1) distance (D) from the cooktop surface, use extra caution as the surface of range hood may be extremely hot to the touch. For this unit, (D in Fig. 1) is 458 mm - 710 mm (18 in - 28 in). If you choose an 18 inch installation, the temperature of the unit surface will be high if the unit is operated under high power cooking for a certain amount of time.
3. Use caution when cooking with oil or with deep-fryers. Overheating may cause oil to reach its flash point and ignite. Used oil will ignite at lower temperatures than fresh oil. Heat oils slowly on low to medium setting.
4. Avoid boil overs, as they may cause smoking and greasy spillovers that could ignite.
5. To prevent burns or fires, always use cookware appropriate to the size of the heating element that you are using.
6. In event of a cooking fire, observe the following:
  - Be careful to avoid burns.
  - Smother flames with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. If the flames do not go out immediately, evacuate and call the fire department.
  - Never pick up a flaming pan.
  - Do not use water, including wet dishcloths or towels, as you could cause a steam explosion.
  - Use an extinguisher only if: (a) you have a class ABC extinguisher and you know how to operate it, (b) the fire is small and contained in the area where it started, (c) the fire department is being called, and (d) you can fight the fire with your back to the exit.



**WARNING:** To reduce the risk of fire, use only metal duct work. Never use plastic duct work.



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



**CAUTION:** For general ventilation use only. Do not use the range hood fans to exhaust hazardous or explosive vapours.



**CAUTION:** Never dispose of cigarette ashes, ignitable substances, or any foreign objects in fans.



**CAUTION:** At least two people are needed to move and safely install the unit. Failure to properly lift the range hood could result in product damage or personal injury.

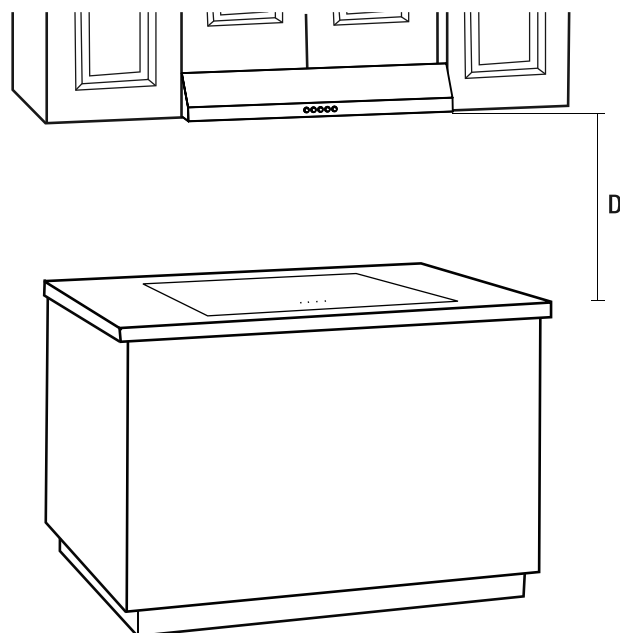


Fig. 1

### CLEANING SAFETY INFORMATION

1. The fan and filters must be cleaned periodically and kept free from accumulation of cooking residue. Old and worn filters must be replaced immediately.
2. Never disassemble parts to clean. Parts should be disassembled by qualified persons only.

# Warranty

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## ONE YEAR LIMITED WARRANTY

A thorough inspection must be made before installation and any damage must be promptly reported. We will not be liable for failures or damage that could have been discovered or avoided by proper inspection and testing prior to installation.

Conglom Kitchen & Bath warrants this product to be free from defects in materials or workmanship for one (1) year from the date of purchase. Proof of purchase (original sales receipt) from the original consumer purchaser must be made available to Conglom Kitchen & Bath for all warranty claims.

This warranty is non-transferable and shall be voided if the unit is removed from its initial installation or if it is not installed following the manufacturer's instructions. It does not apply in the event of product damage due to the use of other than genuine Conglom Kitchen & Bath replacement parts, (Replacement parts may be obtained by e-mail at [cs@conglomkb.com](mailto:cs@conglomkb.com) or by calling 1-877-333-0098 between 8:30 am - 5:00 pm EST) installation error, abuse, misuse or improper care and maintenance (whether performed by a plumber, contractor, service provider or member of the purchaser's household). The warranty excludes damage due to aggressive air or water conditions, harsh or abrasive cleaners and/or materials.

Under no circumstance shall we be held liable for personal injury or property damage resulting from improper installation or use of this product. We will not be held liable for inconvenience caused by loss of use of this product, costs incurred for labour or materials, removal and installation of replacement units, or any other incidental or consequential damages. Costs relating to obtaining access for repair or replacement are the responsibility of the user.

Our obligation shall be limited to the repair or replacement of a unit (at our discretion) that may prove, by our sole examination, to be defective under normal use and service during the warranty period.

Any failure of this product that is not traceable to a defect in material or workmanship is not covered by this warranty. These non-warrantable items include, but are not limited to:

- Improper installation not in accordance with manufacturer's instructions.
- Dents and/or scratches incurred during shipping, handling, or installation.
- Change in colour or finish due to chemical usage.
- Damage caused by failure to follow care and cleaning guidelines, including damage caused by the use of abrasive cleaners.
- Alterations made to the unit by the purchaser or installer.
- Damage caused by accidental impact, fire, flood, freezing, and normal wear.
- Bends and warping caused by forced connections, over-tightened fittings, and inadequate support during installation.
- Any defects or damage to light bulbs.

This warranty does not extend to commercial and institutional installation or use.

## WARRANTY CLAIM PROCEDURE

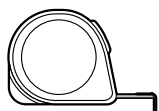
If a claimable defect occurs or replacement parts are needed, please contact our customer service team at [cs@conglomkb.com](mailto:cs@conglomkb.com) or 1-877-333-0098 (Service available in English and French, Monday - Friday from 8:30 am - 5 pm, EST).

Before you make your call, please ensure that you have:

- Model number or description.
- Proof of sale.
- Details regarding the defect and/or part number.
- Name(s) and address(es) of the owner and/or installer.

## Pre-Installation

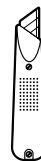
### TOOLS/MATERIALS REQUIRED (NOT SUPPLIED)



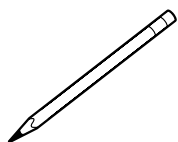
Measuring tape



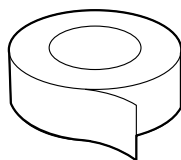
Level



Utility knife



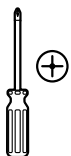
Pencil



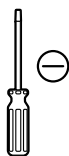
Certified  
Duct Tape



Adjustable  
wrench



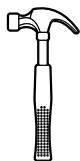
Phillips screwdriver



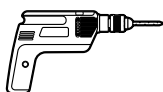
Flathead  
screwdriver



Needle nose  
pliers



Hammer



Electric drill



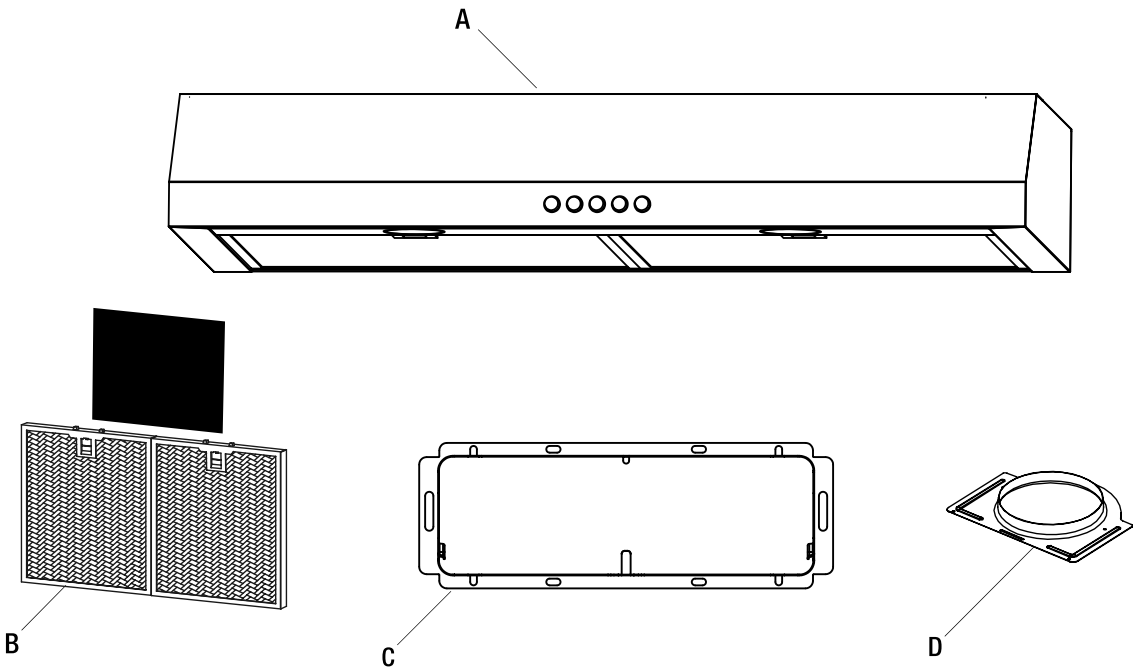
Safety goggles



Safety gloves

Pre-Installation (continued)

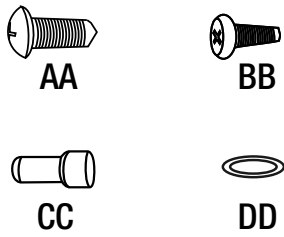
PACKAGE CONTENTS



Part	Description	Quantity
A	Range hood	1
B	Aluminum & charcoal filters	2
C	Rectangular damper (located inside the hood)	1
D	Round adapter (located inside the hood)	1

HARDWARE INCLUDED

**NOTE:**  
*Parts not shown in actual size.*



Part	Description	Quantity
AA	Long tapping screws (ST4x18mm)	4
BB	Short tapping screws (ST4x10-F-Hmm)	8
CC	Wire Connectors	3
DD	Washer	2

# Pre-Installation (continued)

## PLANNING INSTALLATION

**Number of people required:** 2 or more

Carefully check the range hood for damage and for missing parts prior to installation. If there is any damage or if you are missing parts, do not proceed with the installation. Report damage and missing parts immediately. Do not dispose of packaging before you are satisfied with your new range hood.

1. Before installation, measure all distances to ensure the proper position of the range hood (A).

- The distance (1) from the cooking surface to the range hood must be at least 458 mm (18 in). For the best performance, do not install the range hood more than 710 mm (28 in) above the cooking surface.
- Dimension (2) should be at least 762 mm (30 in). The range hood should be approximately the same size as the cook top.

2. If the bottom of the cabinet (3) above the location where the range hood is to be installed is recessed, attach appropriately sized wood filler strips (4) on each side using wood screws.

3. Screws are provided to secure the range hood to most types of cabinets, but consult a qualified installer to verify that the supplied screws are suitable for your cabinets.

4. Put a thick, protective covering over your counter, cooktop, or range to protect it from damage and dirt during installation. Remove any hazardous objects around the area.



**WARNING:** Always wear safety goggles and gloves during installation.

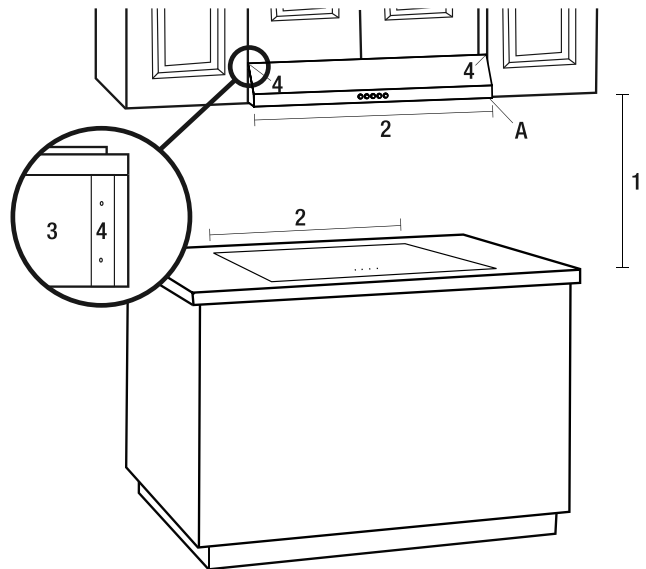


Fig. 2

## VENTING OPTIONS:

- Determine if your existing venting system is top venting or back venting, and ensure that the openings in the cabinet or wall for the damper and for power access are in appropriate locations and are of appropriate sizes, as per Fig. 3 if it is top venting or Fig. 4 if it is back venting. For top venting option (Fig. 3), if you are using the round adapter, the opening should be A and B only. If you are using the rectangular damper, opening should be B and C only.
- If this is a new installation, choose the venting method that suits your needs. Cut out openings for the damper and for power access in the cabinet bottom or exterior wall, depending on the direction of venting chosen.

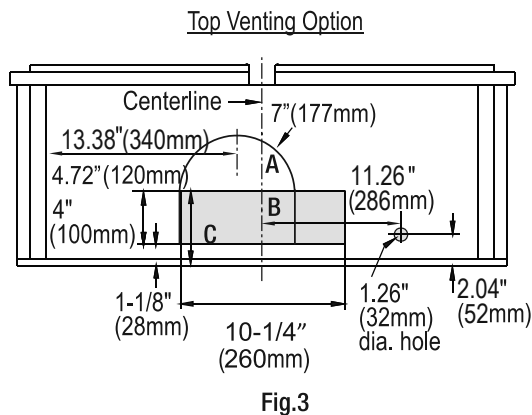


Fig.3

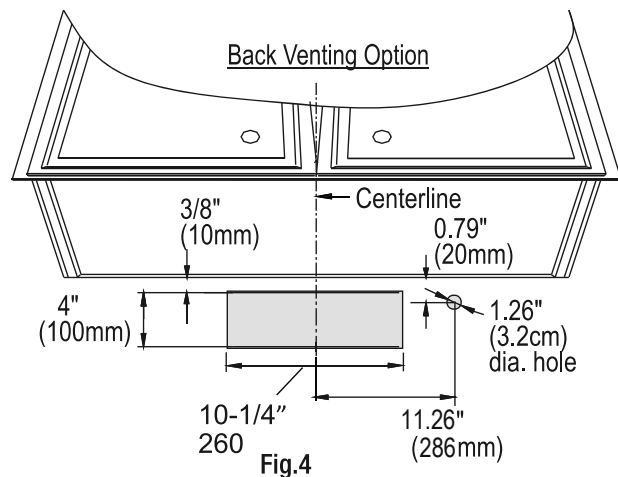


Fig.4

# Pre-Installation (continued)

## FOLLOW THESE GUIDELINES WHEN INSTALLING DUCT WORK:

- Your venting system must vent to the outdoors either horizontally through the back wall (13) or vertically through the roof (14) (refer to Fig. 5/ Fig. 6/ Fig. 7).
- Use round metal duct work with a uniform diameter of 177 mm (7 in). The total duct run in the venting system should not be more than 10.7 m (35 ft).
- Calculate the total effective length of the duct work by adding the equivalent lengths in the table shown (Fig. 9). For each fitting used add the length of the equivalent straight duct used in the system.
- Fasten all connections between pieces of duct with sheet metal screws and tape all joints with certified duct tape.
- If you must turn the path of the duct work using elbows, keep the number of elbows to a minimum for effective performance and use no more than three 90° elbows. Ensure that there is a minimum of 458 mm (18 in) of straight vent between each elbow. Elbow as far away from the range hood's exhaust opening as possible.
- Cap the exterior of the duct with a wall cap (15) or roof cap (16). Never use 102 mm (4 in) laundry-type wall caps. Use caulking to seal exterior wall or roof opening around the cap.
- The venting system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the range hood.

Horizontal Wall Venting

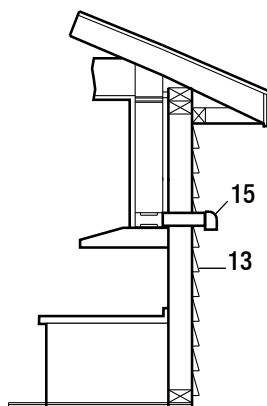


Fig.5

Horizontal Wall Venting

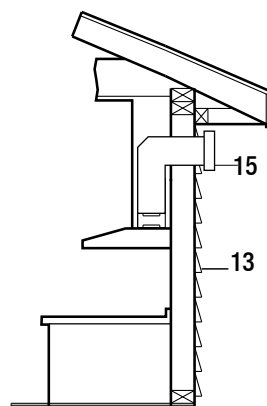


Fig.6

Vertical Roof Venting

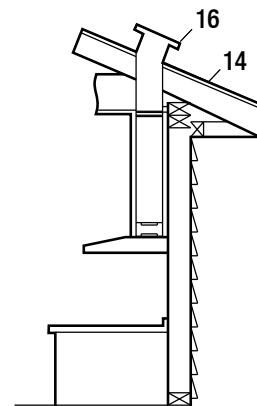


Fig.7

For inside venting system (air does not exhaust to outdoors) (Fig. 8):

Please refer to the Installation section. The cover on the top plate will be removed and air will be exhausted through the charcoal filter and out from 17.

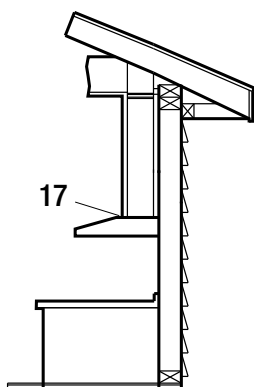


Fig. 8

Equivalent Length Chart

Type of duct	Length added
45° Elbow	0.91 m (3 ft)
90° Elbow	1.52 m (5 ft)
90° Flat elbow	3.66 m (12 ft)
2.74 m (9 ft) Straight duct	2.74 m (9 ft)
Wall cap	0 m (0 ft)

Fig. 9



## Pre-Installation (continued)

### WIRING CONNECTION REQUIREMENTS

Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

#### OBSERVE ALL GOVERNING CODES AND ORDINANCES WARNINGS

- Electrical grounding is required for this range hood. Check with a qualified electrician if you are not sure whether the range hood is properly grounded.
- Failure to follow electrical requirements may result in a fire.
- A fuse in the neutral or grounding circuit could result in electrical shock.
- If the hot/cold water pipe is interrupted by plastic nonmetallic gaskets or other materials, DO NOT use for grounding.
- DO NOT GROUND TO A GAS PIPE.

**IMPORTANT:** It is the customer's responsibility to contact a qualified electrical installer and assure that the electrical installation is adequate and complies with the National Electrical Code, or CSA standards, as well as all local codes and ordinances.

3. Save installation instructions for electrical inspector's use.
4. If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine if the ground path is adequate.
5. DO NOT use an extension cord or adapter plug with this appliance.
6. The range hood must be connected with copper wire only.
7. The range hood should be connected directly to the junction (or circuit breaker) box through flexible, armoured or nonmetallic sheathed copper cable. Allow some slack in the cable so the appliance can be moved if servicing is ever necessary.
8. A UL listed or CSA approved conduit connector must be provided at each end of the power supply cable (at the range hood and at the junction box).
9. When making the electrical connection, cut a 3.2 cm (1-1/4 in) hole in the wall. A hole cut through wood must be sanded until smooth. A hole through metal must have a grommet.
10. When cutting or drilling into the wall or ceiling, do not damage electrical wiring and other hidden utilities.
11. Wire size must conform to all local codes and ordinances. The latest edition requirements of the National Electrical Code ANSI/NFPA 70, or the latest edition CSA Standards C22.1-94, Canadian Electrical Code Part 1 and C22.2 No. 0-M91.



**DANGER:** Risk of electrical shock. This range hood must be properly grounded.



**DANGER:** Turn off the power circuit breaker or the power switch on the junction box before installing this unit. Touching circuitry inside the range hood while it is energized will result in death or serious injury.

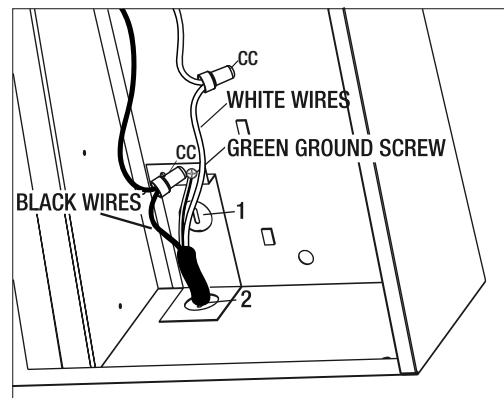


**DANGER:** All electrical wiring must be properly installed, insulated, and grounded. Improper insulation and grounding will result in deadly electrical shock.

#### NOTE:

*Temporarily wire the range hood to test it for proper operation. If the range hood does not operate correctly, do not proceed with the installation.*

- Remove the bottom panel of the range hood (see Fig. 13) to access the electrical wire leads.
- Use the power supply cable to connect the range hood (A) directly to the junction box or circuit breaker box. Use a flexible, armoured, or nonmetallic sheathed copper cable only. Never use an extension cord or adapter plug.
- Connect a UL-listed or CSA-approved conduit connector to each end of the power supply cable (at the range hood and at the junction box). Connect the 2 colored wires from the range hood (A) to the corresponding wires from the electrical source: black to black (live), white to white (neutral), and the house grounding wire to the green ground screw. Use either the top hole (1) or the back hole (2) of the range hood depending on your installation type as shown in Fig. 10.
- Turn the power on, and ensure that the lights and the fan are operating correctly.
- Once you have tested the electrical connection, disconnect the power supply cable and wires from the electrical source before proceeding with the rest of the installation.



# Installation

## REMOVING THE ELECTRICAL KNOCK-OUT HOLE



**WARNING:** Always wear safety goggles and gloves during installation.

- Choose the appropriate electrical knock-out hole to remove for your installation type. Use the top hole (1) if your electrical supply is in the cabinet and the back hole (2) if your electrical supply is on the wall below the cabinet (refer to Fig. 10).
- Use a hammer and a flathead screwdriver to gently punch out the electrical knock-out hole.

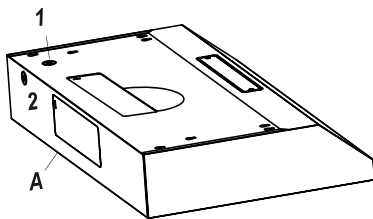


Fig. 10

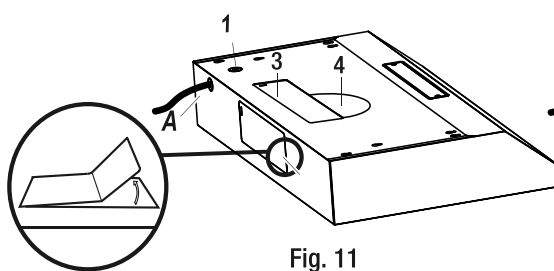


Fig. 11

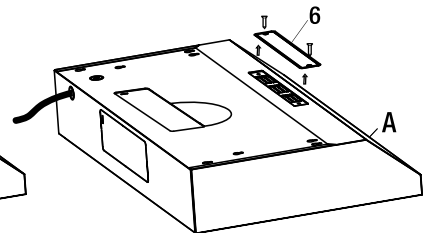


Fig. 12

## REMOVING THE VENTING HOLE (FOR EXTERIOR VENTING)

- Choose the venting hole to remove for your installation type. Use the top holes (3 & 4) for a top venting installation and the back hole (5) for a back venting installation.
- Carefully remove the cover (3, 4 or 5) of the appropriate venting hole using a flat head screwdriver or needle nose pliers (refer Fig. 11). Be careful not to leave any debris inside the range hood (A).

## (FOR INTERIOR VENTING)

- If you are venting indoors, unscrew the 2 screws holding cover (6) in place and remove the cover as per Fig. 12. DO NOT REMOVE ANY OTHER VENTING HOLE COVER.

## INSTALLING THE DAMPER (SKIP THIS STEP IF YOU ARE USING INTERIOR VENTING)

### **NOTE:**

Only install the damper if you are using a venting system that does not already have a damper.

If this hood replaces an existing unit, the location of the air exhaust can vary from one manufacturer to another. Ensure that the damper fits in the existing opening before installing.

- The damper and the adapter are located inside the range hood. To access these parts, remove the bottom panel (E) if you have not previously done so (see Fig. 13).
- Choose to install the damper (C) either in the top position (3) for top venting or in the back position (5) for back venting. Adapter (D) installs to position 3 & 4 for top venting only.
- Attach damper (C) or adapter (D) over chosen knockout opening. Make sure the damper pivot is oriented on top such that the damper stays closed when not in use.
- Secure the damper (C) or adapter (D) to the range hood (A) with the short tapping screws (BB).
- Seal the damper (C) or adapter (D) to the range hood (A) on all four sides with duct tape.

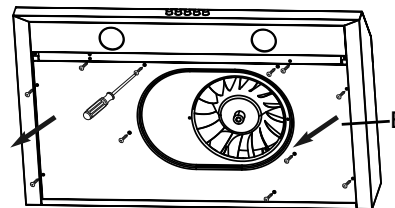


Fig. 13

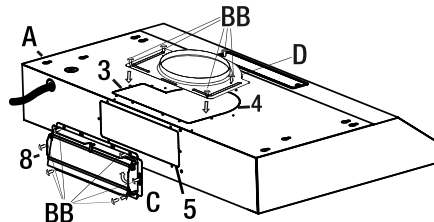
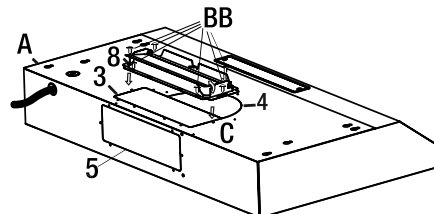
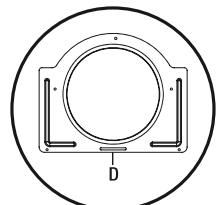
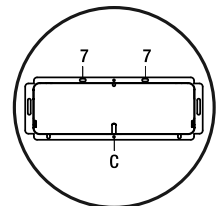


Fig. 14



## Installation (continued)

### INSTALLING THE RANGE HOOD



**DANGER:** Turn off the power circuit breaker or the power switch on the junction box before installing this unit. Touching circuitry inside the range hood while it is energized will result in death or serious injury.



**DANGER:** If installing this unit over a gas range, turn off the gas at the source before installing or servicing this unit.

- Lift the range hood (A) up under the cabinet to determine its final position. Mark the location of the four keyhole mounting slots (1) on the underside of the cabinet.
- Set the range hood (A) aside on a protective surface.
- Drill four pilot holes in the locations that you marked.
- Screw the four long tapping screws (AA) into the pilot holes. Do not tighten the screws all the way – leave the screw heads about 7 mm (0.28 in) from the cabinet surface.
- Lift the range hood (A) into position, feeding the power cable and the electrical wires through the power access opening. Allow some slack in the cable and wires so that the appliance can be moved if servicing is ever necessary.
- Position the range hood (A) so the large end (2) of the keyhole mounting slots (1) are over the screws (AA). Then push the range hood (A) toward the wall so the screws (AA) are in the neck (3) of the keyhole slots. Tighten the screws (AA). Ensure that the range hood (A) is securely fastened to the cabinet before releasing it.
- If applicable, test the damper to ensure it rotates up and down freely.
- If applicable, connect the duct work to the range hood (A). Seal the joints with duct tape to ensure an airtight fit.
- Reinstall the bottom panel, reinstall filters.

### FINAL STEP

- Reconnect the power supply cable and wires to the electrical supply. Turn the power on and ensure that the lights and fan are operating correctly.

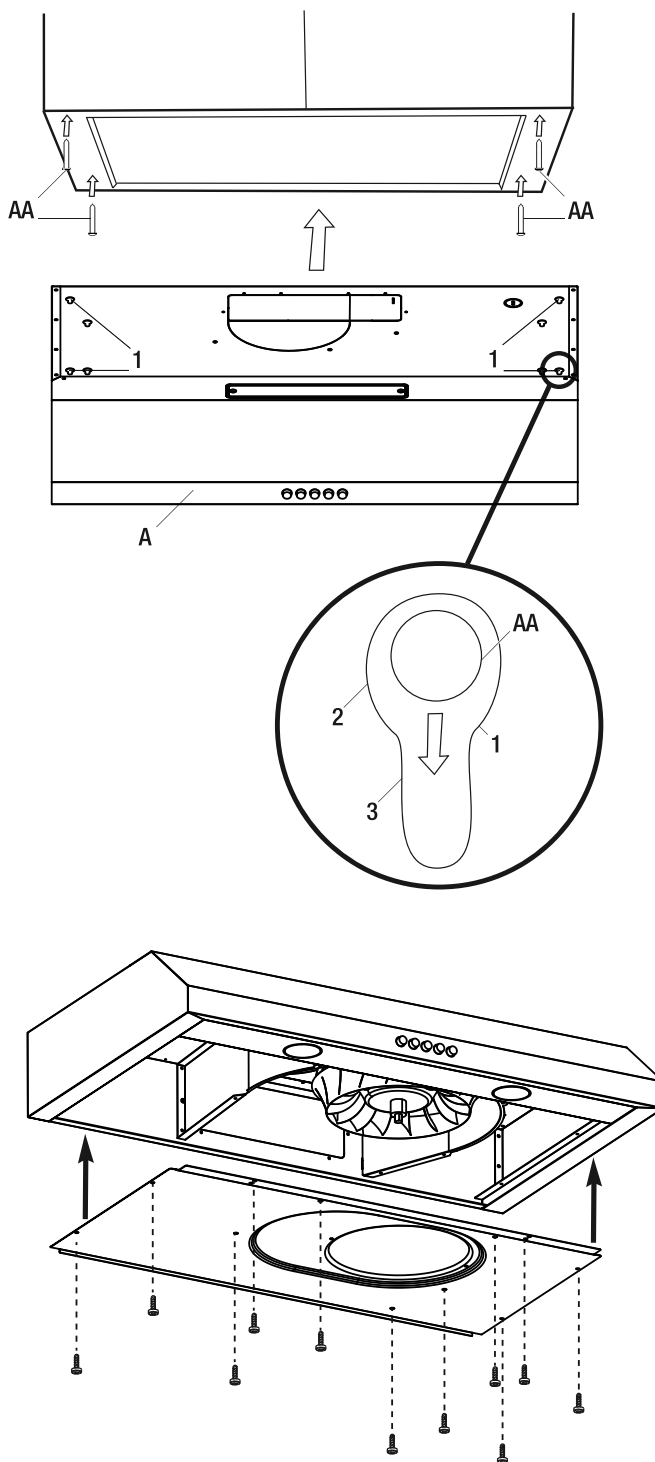


Fig. 15

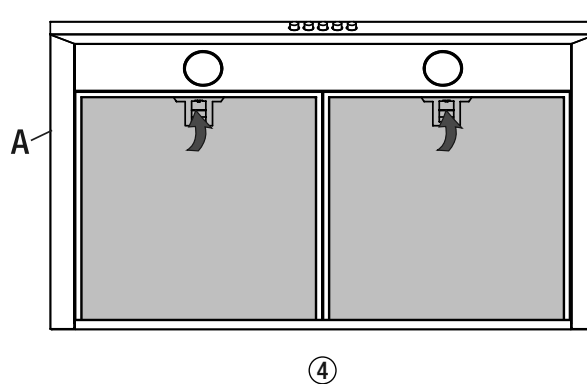
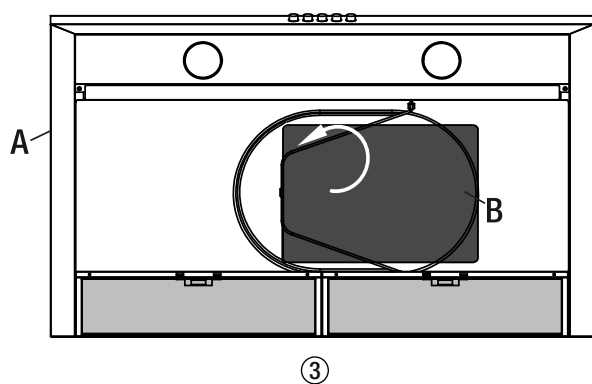
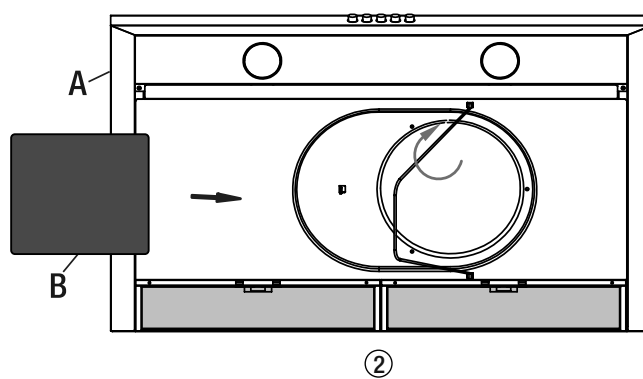
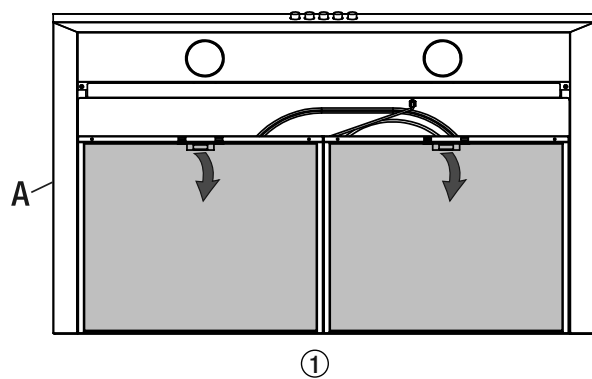
## Installation (continued)

### INSTALLING THE CHARCOAL FILTER (SKIP THIS STEP IF YOU ARE USING EXTERIOR VENTING)

**NOTE:**

*The charcoal filter should only be installed if you are not using an external venting system.*

- Remove filter by lifting up the filter clip and rotating the filter downwards.
- Place the charcoal filter (B) in place, ensure that it covers the air outlet entirely.
- Reinstall filters.



# Operation

## NOTE:

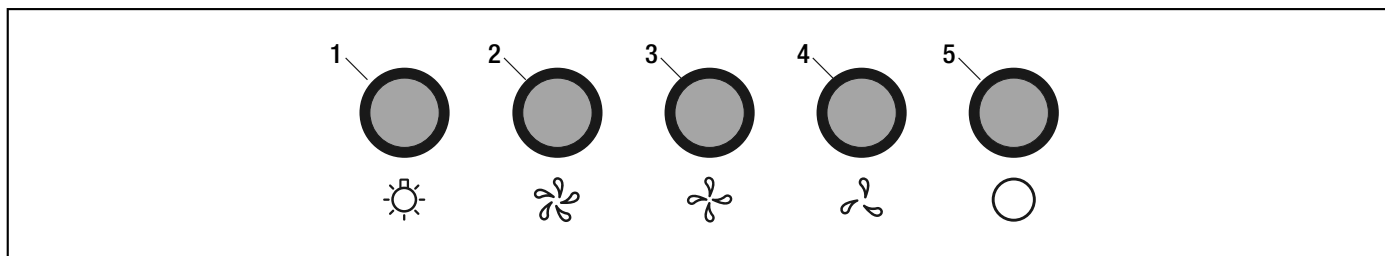
*The fan and lights operate independently of each other.*

## TURNING ON/OFF THE UNIT

- To turn on the fan, press the appropriate speed control switch [Low Speed (4), Medium Speed (3), High Speed (2)] to select the desired level of power. Once a button is pressed, the previous speed mode will be cancelled.
- Press the power switch (5) to turn off the fan.

## TURNING ON/OFF THE LIGHTS

- Press the light switch (1) to turn on the lights.



# Maintenance

## REPLACING FILTERS

When filters need replacing, exchange with similar. Also replace filters that are damaged with punctures, bends, or broken frames.

- Turn off the range hood and disconnect the power.
- Replace with an equivalent filter, then reconnect the power.



**DANGER:** Turn off the power circuit breaker or the power switch on the junction box before performing maintenance. Touching circuitry inside the range hood while it is energized will result in death or serious injury.



**WARNING:** Failure to replace worn out or damaged filters will increase the risk of fire.

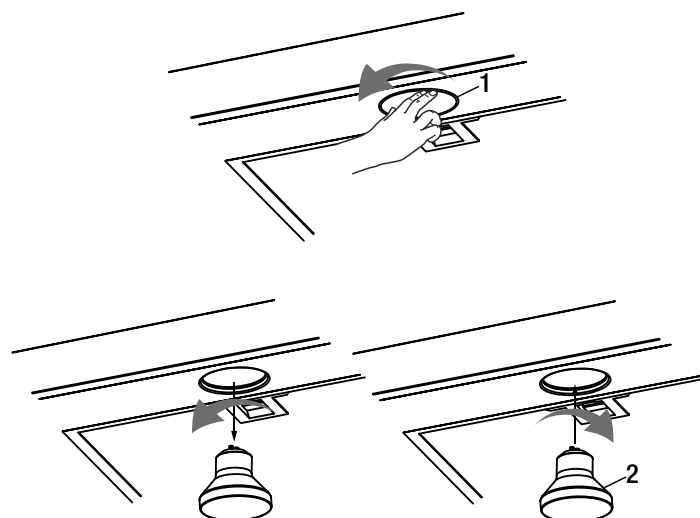
## REPLACING LIGHT BULBS

When light bulbs burn out, replace them with a 5W GU10 base light bulb.

- Turn off the range hood, disconnect it from its power source, and ensure that the lights are cool.
- Turn the bulb (1) in the direction indicated and pull it out to remove it.
- Push in the new bulb (2) in the direction indicated until it locks into the socket. Do not release the bulb until you are sure the bulb has been securely installed. Then reconnect the power.
- If new bulbs do not operate, ensure that they are inserted correctly.



**WARNING:** Light bulbs can become hot when turned on. Do not touch bulbs until they are switched off and cooled. Touching hot bulbs could cause serious burns.



# Care and Cleaning

## RANGE HOOD



**WARNING:** Failure to maintain basic standards of care and cleaning of the range hood will increase the risk of fire.

The range hood should be cleaned (regularly internally and externally) to preserve its appearance and performance.

### Do:

- Always clean in the direction of the grain (original polish lines).
- Clean the range hood periodically with hot, soapy water and a clean cotton cloth.
- Always rinse well with clean water two or three times after cleaning. Wipe completely dry with a soft non-abrasive cloth.
- After cleaning, you may polish with a non-abrasive stainless steel polish or cleaner. Always rub lightly and with the grain
- Ensure that the venting system is free of debris, if you have one.

### Do Not:

- Do not use corrosive or abrasive detergents, steel wool, or scouring pads. These will scratch and damage the stainless steel surface.
- Do not use any products containing chloride, fluoride, iodide, or bromide on this product, as they will deteriorate the surface rapidly.
- Do not allow cleaning compounds, salt solutions, disinfectants, or bleaches to remain in contact with the product for extended periods of time.
- Do not allow any deposits to remain for long periods of time on the range hood. Rinse with water immediately and wipe dry with a clean cloth.
- Do not let plaster dust or any other construction residue enter the hood. During construction or renovation, cover the hood.
- Combustible products used for cleaning such as acetone, alcohol, ether, or benzol are highly explosive and should never be used close to a range or stove.

## FILTER

The filter fitted by the factory is intended to filter out residue and grease from cooking. You do not need to replace them on a regular basis, but you should keep them clean.

### Do:

- Clean the filter once a month using non-abrasive detergents, either by hand or in the dishwasher. When using a dishwasher, set the dishwasher to a low temperature and a short cycle setting. The filter may become discoloured in a dishwasher, but this does not affect its performance.
- Allow filters to completely dry before re-installing them in the range hood.

### Do Not:

- Do not allow oil to accumulate over more than 80% of the filter surface. Oil accumulations may drip oil onto the range.
- Do not wash charcoal filter. The charcoal filter should be replaced when it is covered in grease and has reached its maximum absorbency.

# Troubleshooting



**DANGER:** Turn off the power circuit breaker or the power switch on the junction box before performing maintenance. Touching circuitry inside the range hood while it is energized may result in serious injury or death.

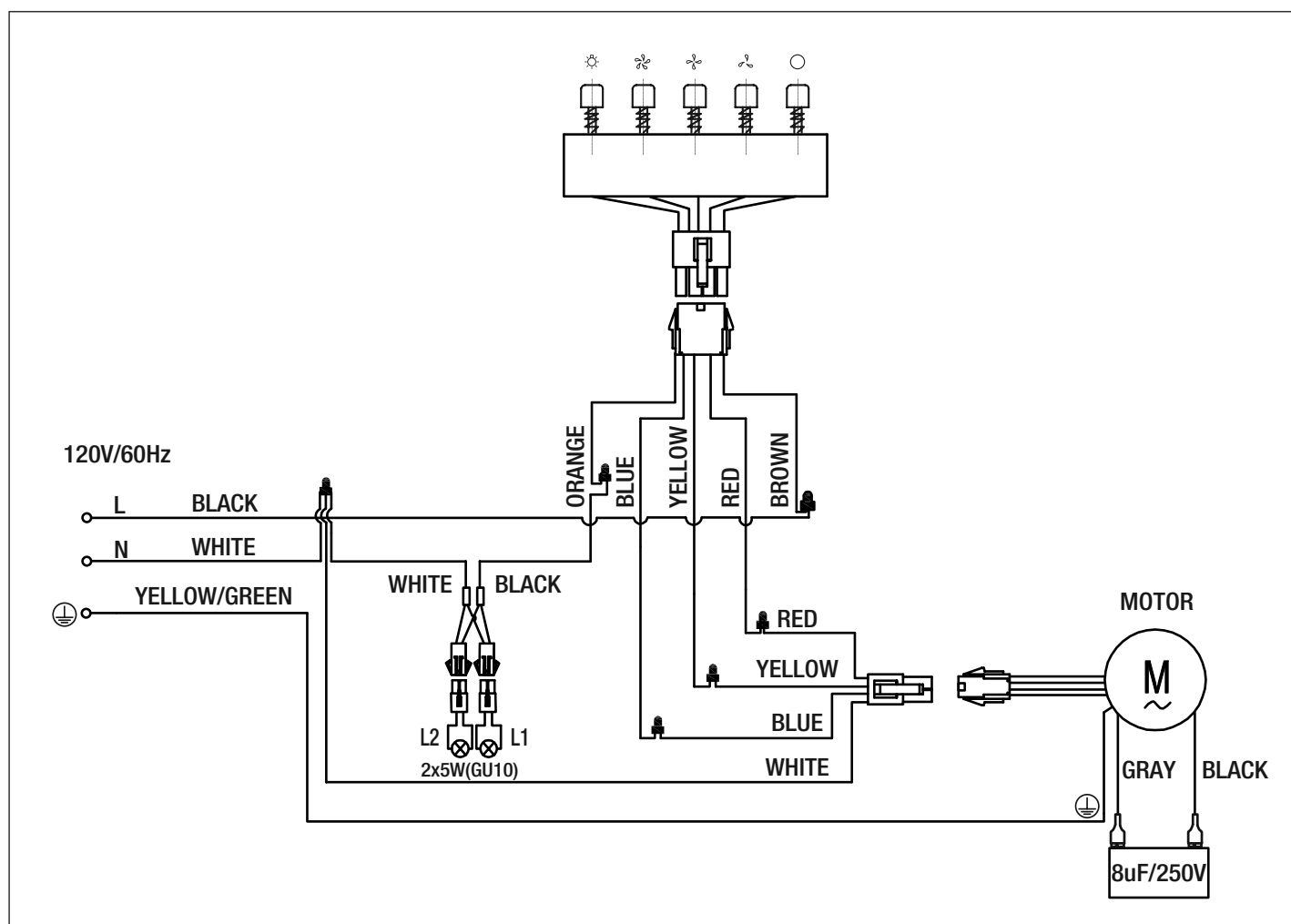
Problem	Solution
The range hood does not operate.	<ul style="list-style-type: none"> <li>- Check that the power supply cable and all electrical wiring are properly connected.</li> <li>- Check that the power is turned on at the junction box or circuit breaker.</li> <li>- Check that the wiring between the switch control and the control board are connected properly.</li> </ul>
The range hood vibrates when the fan is operating.	<ul style="list-style-type: none"> <li>- Check that the range hood has been secured properly. Tighten into position, if necessary.</li> <li>- Check that the motor is secured in place. If not, then tighten the motor in place.</li> <li>- Check that the fan is not damaged. If so, replace the fan.</li> </ul>
The fans seem weak.	<ul style="list-style-type: none"> <li>- Check that the duct size used is at least 177 mm (7 in) round. The range hood will not function efficiently with insufficient duct size.</li> <li>- Check that the duct is not clogged with debris and the tight mesh on the wall cap, if applicable, isn't restricting air flow.</li> <li>- Check that the damper unit is opening properly.</li> <li>- Check that no birds or animals have nested in the duct.</li> </ul>
The lights work, but the fan is not spinning, is stuck, or is rattling.	<ul style="list-style-type: none"> <li>- The thermal protection system detects if the motor is too hot to operate and shuts the motor down. In this case, the motor will function properly after the thermal protection system cools down (after approximately 10 min).</li> <li>- Check that the fan isn't jammed or scraping the bottom.</li> <li>- If nothing else works, the motor may be defective or seized. If so, replace the motor.</li> </ul>
The range hood is not venting properly.	<ul style="list-style-type: none"> <li>- Check that no birds or animals have nested in the duct.</li> <li>- Check that the distance between the cooktop and the bottom of the range hood is between 458 mm (18 in) and 710 mm (28 in).</li> <li>- Check that duct work follows all requirements. Use round metal duct work with a uniform diameter of 177 mm (7 in). The length of duct work must not exceed 35 ft (10.7 m). Reduce the length of duct work and the number of elbows if necessary. Ensure that all joints are properly connected, sealed, and taped.</li> <li>- Check that the duct does not open against the wind.</li> <li>- Ensure that the power is on high speed for heavy cooking.</li> <li>- Close all windows nearest to the range hood to eliminate sudden air gusts.</li> <li>- To enhance the performance of the range hood, open slightly a window on the opposite side of the house where the range hood vents outdoors.</li> </ul>
A light does not work.	<ul style="list-style-type: none"> <li>- Check to see if light bulb is burnt. If so, replace.</li> <li>- Check the light bulb to see if it is loose. If so, tighten.</li> <li>- Remove the problem bulb and insert one you know is working. If the properly functioning light does not come on, the problem may be the light assembly. Have the light assembly serviced or replaced.</li> </ul>



# Specifications

Model	Dimensions	Rating	Control Type	Max. Fan CFM	Speeds	Light Bulb Wattage	Venting Options
QR090	758 mm (29.8 in) W	120V~60Hz 1.0A	Push Button	300 ± 10%	High	2 x 5W LED GU10 base light bulb	Top venting Back venting Recirculating/ Inside venting
QR091	354 mm (13.9 in) D				Medium		
QR102	127 mm (5 in) H				Low		

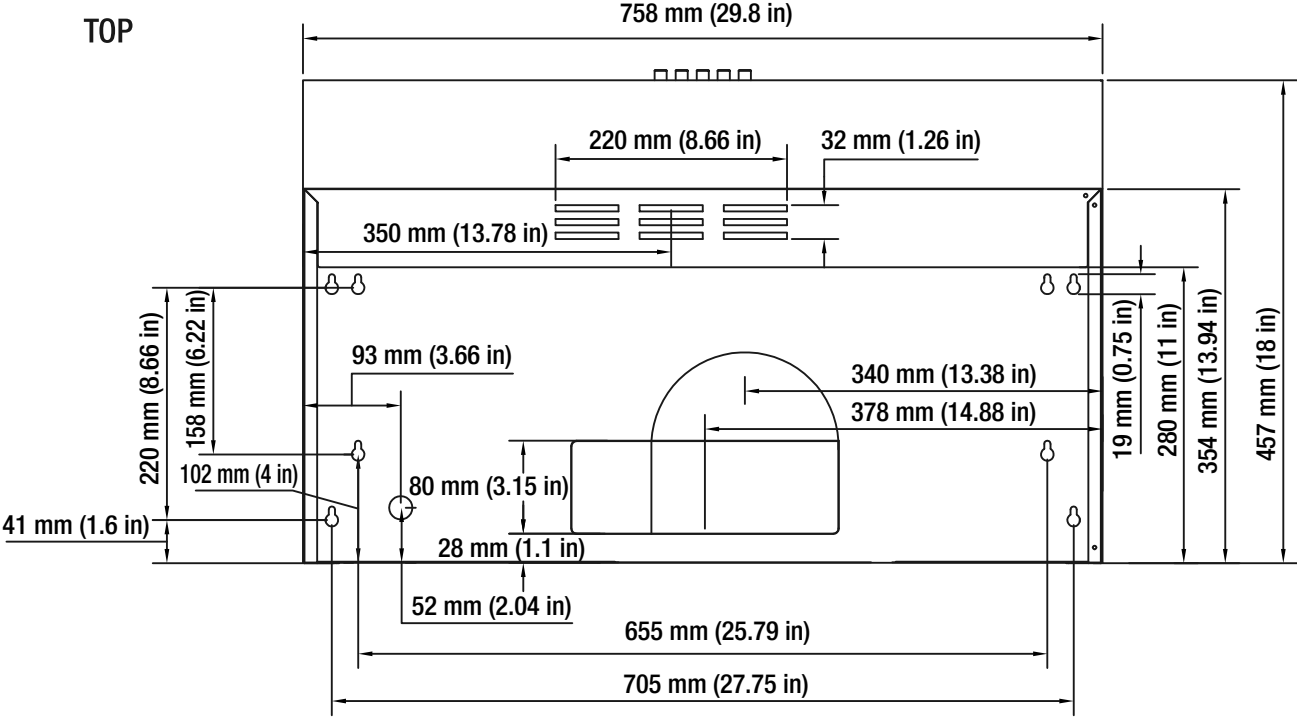
## WIRING DIAGRAM



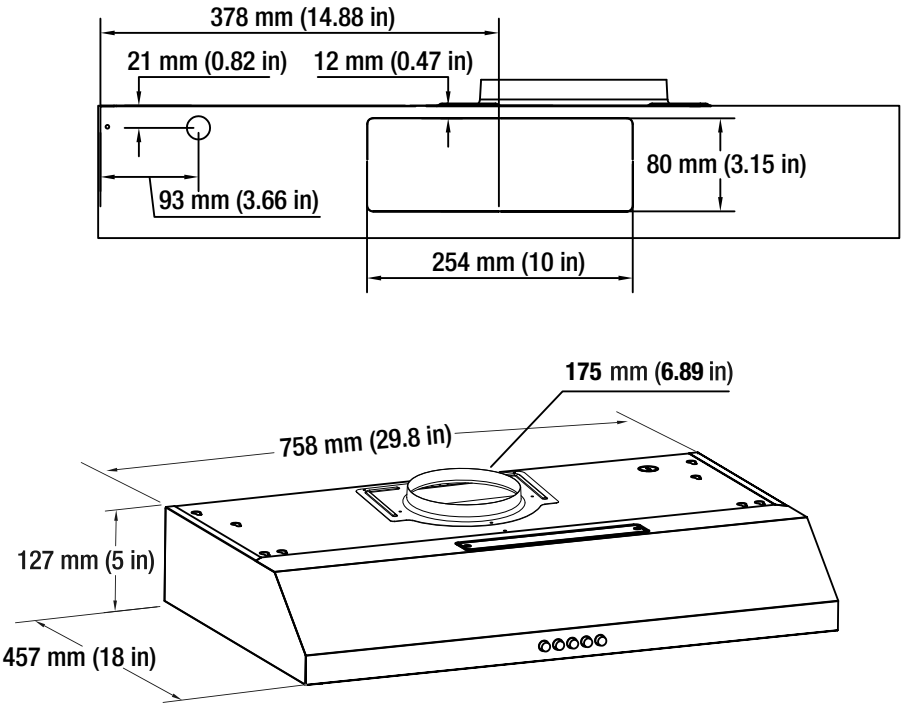
# Specifications (continued)

## EXTERNAL DIAGRAM OF RANGE HOOD

TOP

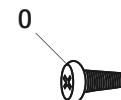
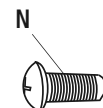
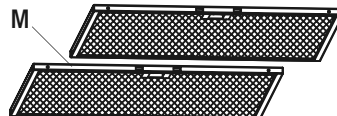
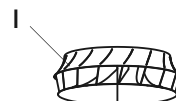
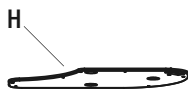
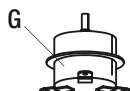
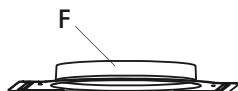
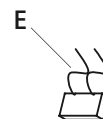
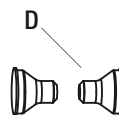
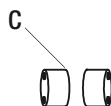
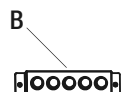


BOTTOM



## Service Parts

If you are missing parts or if you require replacement parts, please contact our customer service team at [cs@conglomkb.com](mailto:cs@conglomkb.com) or 1-877-333-0098 (8:30 am – 5 pm, EST, Monday–Friday). Identify the required part(s) and have the part number(s) ready.



Part	Description	Code	Quantity
A	Rectangular Damper	QHR186	1
B	Switch	QHR187	1
C	Bulb Holder	QHR223	2
D	LED Bulb	QHR181	2
E	Capacitor	QHR188	1
F	Round Adapter	QHR170	1
G	Motor	QHR189	1
H	Motor Bracket	QHR196	1
I	Blade	QHR193	1
J	Blade Guard	QHR175	1
K	Wire Spring	QHR197	1
L	Charcoal Filter	QHR216	1
M	Aluminum Filter	QHR198	2
N	Long Tapping Screws (ST4x18mm)	QHR178	4
O	Tapping Screws (ST4x10-F-Hmm)	QHR179	8

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