

RM65000 Series

RANGEMASTER

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READ AND SAVE THESE INSTRUCTIONS

WARNING

SUITABLE FOR USE IN HOUSEHOLD COOKING AREA.

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

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock service panel 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 a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guidelines 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 wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Do not use this unit with any solid-state speed control device.
8. To reduce the risk of fire, use only steel ductwork.
9. This unit must be grounded.

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 cooking flaming foods.
- 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:*

1. SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
 2. NEVER PICK UP A FLAMING PAN - You may be burned.
 3. DO NOT USE WATER, including wet dishcloths or towels - violent steam explosion will result.
 4. Use an extinguisher ONLY if:
 - A. You know you have a Class ABC extinguisher and you already 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.
 - D. You can fight the fire with your back to an exit.
- * Based on "Kitchen Fire Safety Tips" published by NFPA.

CAUTION

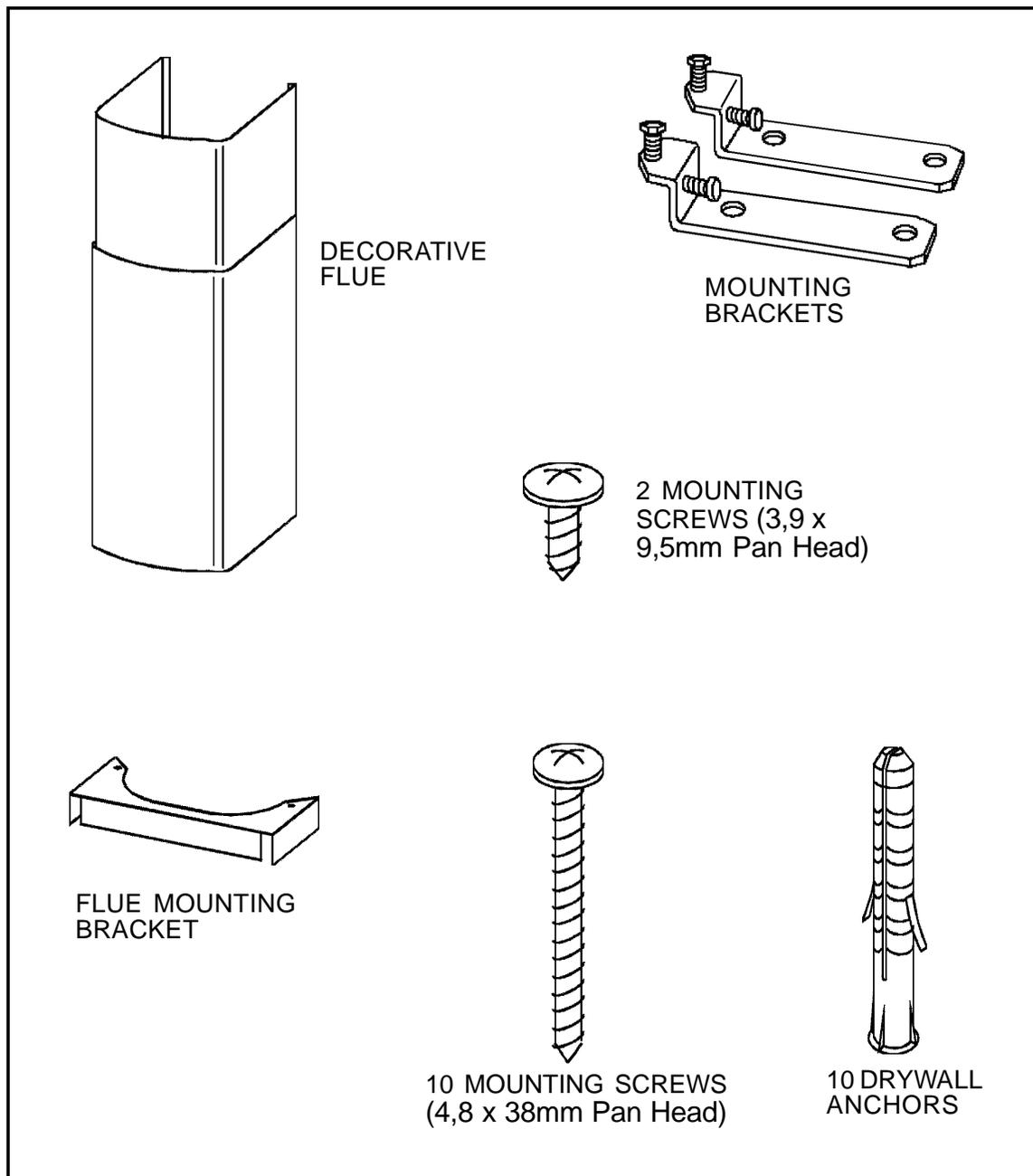
1. To reduce risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls or ceilings or into attics, crawl spaces, or garages.
2. Take care when using cleaning agents or detergents.
3. Avoid using food products that produce flames under the Range Hood.
4. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
5. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
6. Your hood motor has a thermal overload which will automatically shut off the motor if it becomes overheated. The motor will restart when it cools down. If the motor continues to shut off and restart, have the hood serviced.
7. For best capture of cooking impurities, the bottom of the hood should be a minimum of 24" and a maximum of 30" above the cooking surface.
8. Two installers are recommended because of the large size and weight of this hood.
9. Please read specification label on product for further information and requirements.

PREPARE THE HOOD

Unpack hood and check contents.

You should receive:

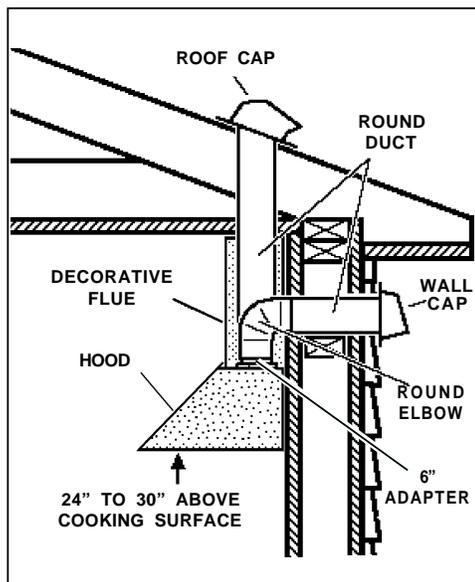
- 1 - Hood
- 1 - Decorative Flue Assembly
- 1 - Parts Bag containing:
 - 2 - Mounting Brackets
 - 1 - Flue Mounting Bracket
 - 10 - Mounting Screws (4,8 x 38mm Pan Head)
 - 2 - Mounting Screws (3,9 x 9,5mm Pan Head)
 - 10 - Drywall Anchors
- 1 - Installation Instructions



INSTALL THE DUCTWORK

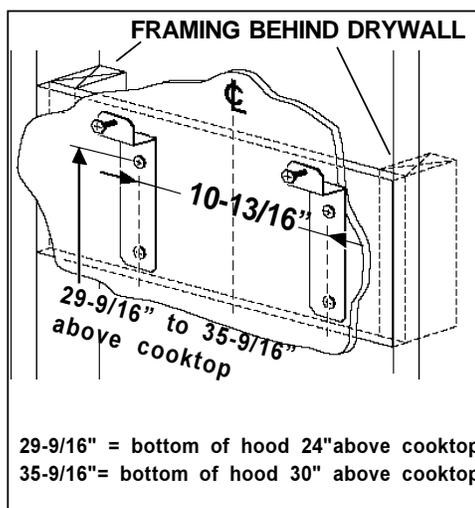
NOTE: To reduce the risk of fire, use only metal ductwork.

1. Decide where the ductwork will run between the hood and the outside.
2. A straight, short duct run will allow the hood to perform most efficiently.
3. Long duct runs, elbows, and transitions will reduce the performance of the hood. Use as few of them as possible. Larger ducting may be required for best performance with longer duct runs.
4. Install a roof or wall cap. Connect round metal ductwork to cap and work back towards hood location. Use duct tape to seal the joints between ductwork sections.



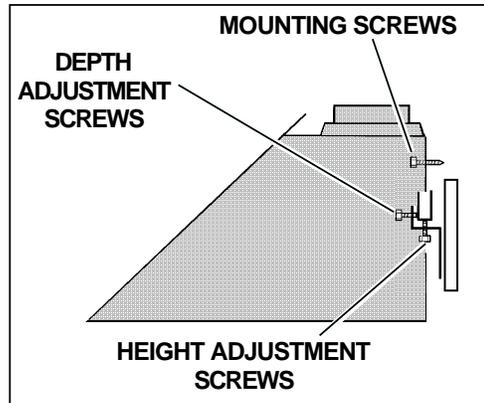
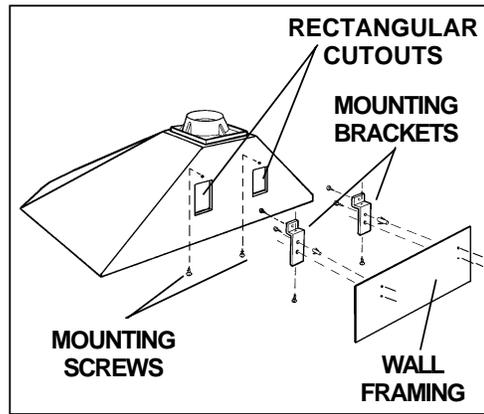
INSTALL MOUNTING BRACKETS

1. Construct wood wall **framing** that is flush with interior surface of wall studs. Make sure:
 - a) the framing is centered over installation location.
 - b) the height of the framing will allow the **mounting brackets** to be secured to the framing within the dimensions shown.
2. After wall surface is finished, secure mounting brackets to framing using dimensions shown.



INSTALL THE HOOD

1. Hang the hood from the brackets through the **rectangular cut-outs** on the back of the hood. Cut-outs are larger than the brackets to allow for horizontal adjustment. The bottom of the hood should be 24" to 30" above the cooking surface.
2. **Height adjustment screws** provide vertical adjustment.
3. **Depth adjustment screws** provide horizontal adjustment.
4. Secure the hood with **mounting screws**. Use drywall anchors, provided, if wall studs or framing are not available.



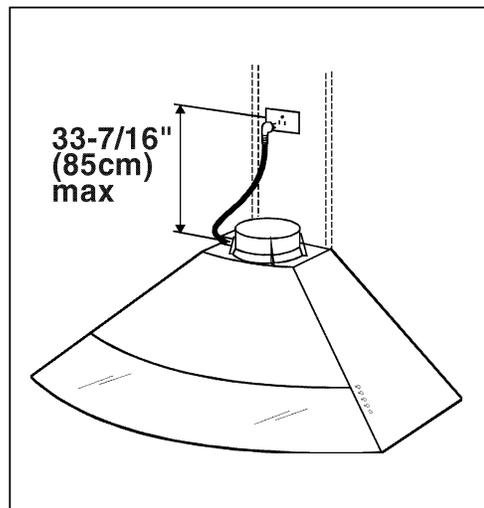
WIRING

Note: This range hood must be properly grounded. The unit should be installed by a qualified electrician in accordance with all applicable national and local electrical codes.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

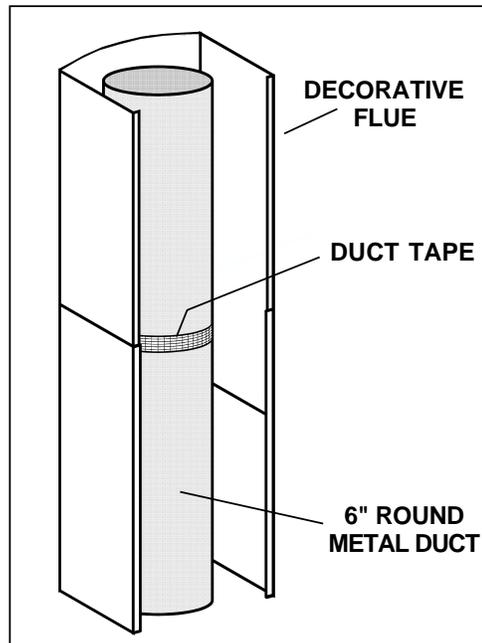
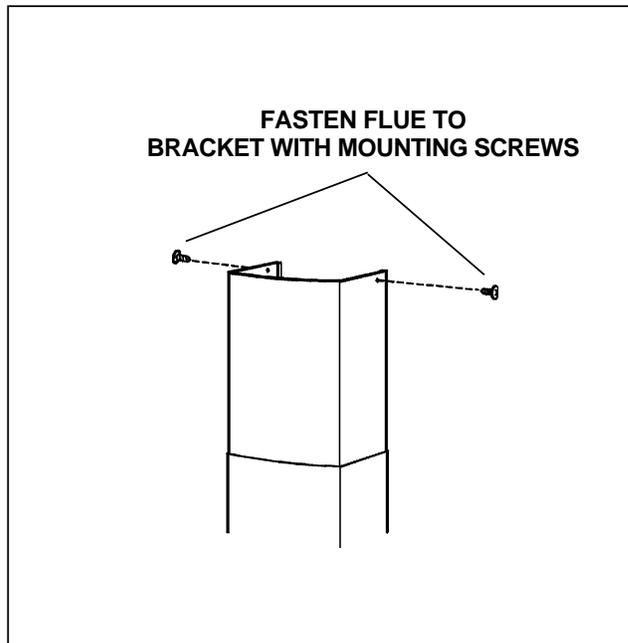
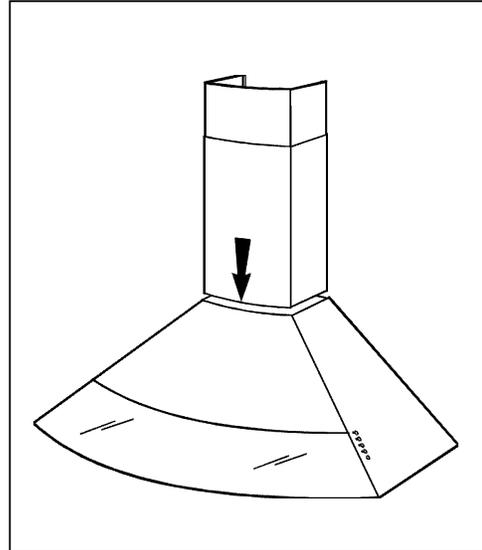
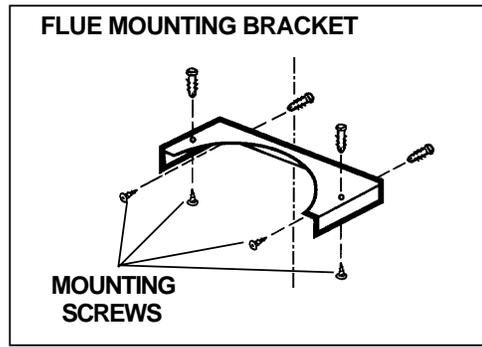
WARNING - Improper grounding can result in a risk of electric shock. Consult a qualified electrician if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded. Do not use an extension cord. If the power supply cord is too short, have a qualified electrician install an outlet near the appliance.



Set the electrical power supply within the space covered by the decorative flues. Position the power socket at a maximum distance of 33-7/16" (85 cm) from where the lead exits from the hood (see illustration alongside). Make sure this does not interfere with the decorative flues (where the flue touches the wall). Fit the plug into the power socket.

CONNECT DUCTWORK

1. Use screws and drywall anchors (supplied) to secure **flue mounting bracket** to the ceiling and wall as shown.
2. Use **6" round metal duct** to connect the discharge collar on the hood to the ductwork above.
3. Use **duct tape** to make all joints secure and air tight.
4. Insert the decorative flues setting them on the hood.
5. Push the lower flue downwards making it fit properly.
6. Extend the upper flue to the ceiling and secure with two mounting screws.



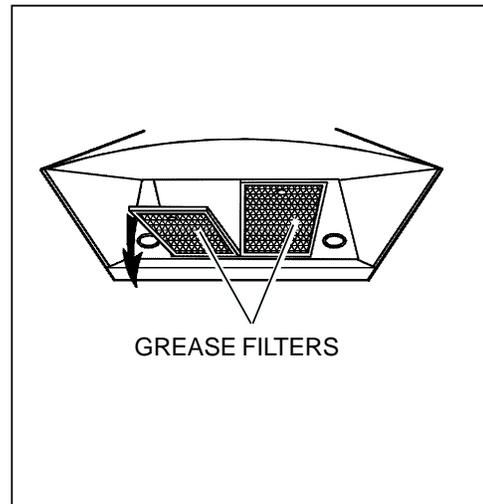
MAINTENANCE

Proper maintenance of the Range Hood will assure proper performance of the unit.

Grease Filters

The **grease filters** should be cleaned after every 30 hours of operation. This range hood has an operation timer which will alert you after every 30 hours of use by lighting a red LED above the "blower speed 0-1 button". Use a warm detergent solution. Grease filters are dishwasher safe.

To remove the grease filters: push the filters toward the back of the hood and pull the filters downwards.



Hood Cleaning

Stainless steel is one of the easiest materials to keep clean. Occasional care will help preserve its fine appearance.

Cleaning tips:

- Hot water with soap or detergent is all that is usually needed.
- Follow all cleaning by rinsing with clear water. Wipe dry with a clean, soft cloth to avoid water marks.
- For discolorations or deposits that persist, use a non-scratching household cleanser or stainless steel polishing powder with a little water and a soft cloth.
- For stubborn cases, use a plastic scouring pad or soft bristle brush together with cleanser and water. Rub lightly in direction of polishing lines or "grain" of the stainless finish. Avoid using too much pressure which may mar the surface.
- **DO NOT** allow deposits to remain for long periods of time.
- **DO NOT** use ordinary steel wool or steel brushes. Small bits of steel may adhere to the surface causing rust.
- **DO NOT** allow salt solutions, disinfectants, bleaches, or cleaning compounds to remain in contact with stainless steel for extended periods. Many of these compounds contain chemicals which may be harmful. Rinse with water after exposure and wipe dry with a clean cloth.

Painted surfaces should be cleaned with warm water and mild detergent only.

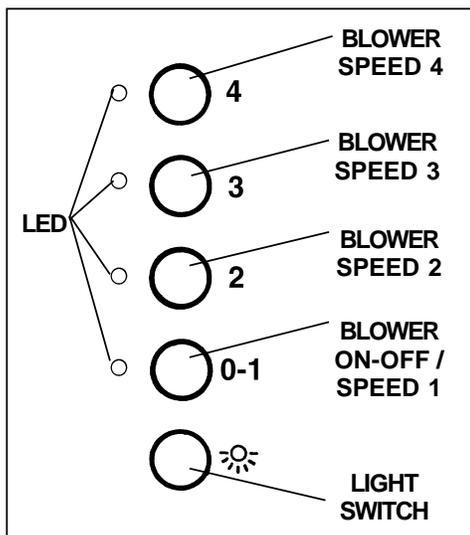
OPERATION

Controls

The hood is operated using the (5) push-buttons located on the right side of the hood.

The **light switch** turns the halogen lights on and off. Push the light switch once to turn the lights ON - push a second time to turn the lights ON to a brighter level - push a third time to turn the lights OFF.

The **blower on-off / speed 1** switch turns the blower on to its lowest running speed. To turn OFF the blower, push in and hold this blower switch for approximately 2 seconds.



The **blower speed 2** switch turns the blower on to medium-low running speed. Pressing this switch a second time sets a timer which keeps the blower operating at this speed for 10 minutes. The **LED** will blink during this time and the blower will shut off automatically.

The **blower speed 3 and blower speed 4** switches operate the same as blower speed 2 switch except: Blower speed 3 is medium-high and blower speed 4 is high.

After every 30 hours of operation, the LED above the “blower speed 1 switch” will be illuminated (RED) and blink for 30 seconds after turning off the blower. This is a reminder to clean the grease filters. Once the grease filters are cleaned and installed, press in and hold the “light switch” button for approximately 2 seconds during the blink of the LED.

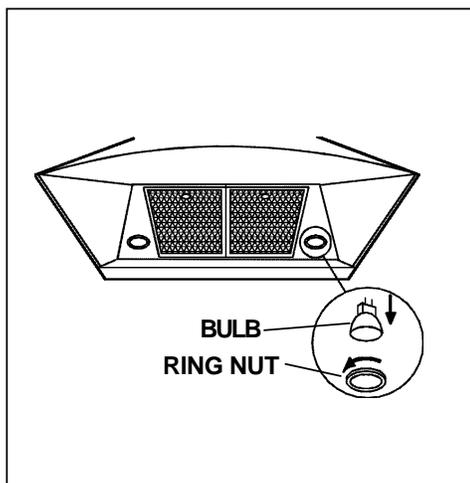
HALOGEN BULBS

This range hood requires two halogen bulbs (Type MR16, 12V, 20W).

ALWAYS SWITCH OFF THE ELECTRICITY SUPPLY BEFORE CARRYING OUT ANY OPERATIONS ON THE APPLIANCE.

To change bulbs:

1. Loosen the ring nut by turning it counterclockwise.
2. Pull the bulb downwards to remove - **DO NOT ROTATE. CAUTION: BULB MAY BE HOT!**
3. Replace with Type MR16, 12 volt, 20 watt halogen bulb.



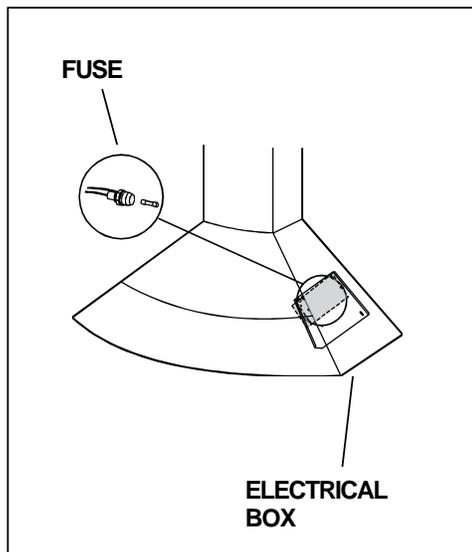
FUSE REPLACEMENT

SWITCH OFF THE ELECTRICITY SUPPLY.

Remove the grease filters.

Open the electrical box.

Replace with the same type of fuse (5x20mm, 4A, 125V).



WARRANTY

BROAN-NUTONE LLC ONE YEAR LIMITED WARRANTY

Broan-NuTone LLC warrants to the original consumer purchaser of its products that such products will be free from defects in materials or workmanship for a period of one year from the date of original purchase. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

During this one-year period, Broan-NuTone LLC will, at its option, repair or replace, without charge, any product or part which is found to be defective under normal use and service.

THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS, TUBES, HALOGEN AND INCANDESCENT BULBS. This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by Broan-NuTone LLC), faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the one-year period as specified for the express warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

BROAN-NUTONE LLC'S OBLIGATION TO REPAIR OR REPLACE, AT BROAN-NUTONE LLC'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. BROAN-NUTONE LLC SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. This warranty supersedes all prior warranties.

To qualify for warranty service, you must (a) notify the at the address stated below or telephone. (b) give the model number and part identification and (c) describe the nature of any defect in the product or part. At the the time of requesting warranty service, you must present evidence of the original purchase date.

SERVICE PARTS

MODEL K274

KEY NO.	PART NO.	DESCRIPTION
6	B02000191	Filter Spring
9	B08087298	Grease Filter
14	B02300233	Motor Capacitor
16	B08091202	Electrical Box Support
19	B03295005	Terminal Cover
26	B02300668	Halogen Lamp Bulb
38	B03292357	Control Board Box
39	B03294033	Control Board Cover
42	B03295002	Ductfree Filter Bracket
48	B02310185	Motor
49	B03295071	Blower Wheel
53	B03202007	Rubber Washer
57	B02000756	Damper Flap
60	B02300249	Feeder Cable
68	B02000295	Right Blower Housing
69	B02000296	Left Blower Housing
73	B002010000	Glass
99	BE3342052	Filter Channel
108	B032921370	Terminal Block Protection
113	B03202433	Nameplate
114	B03290499	Runner Wires
118	BE3342055	Decorative Flue Bottom
119	BE3342056	Decorative Flue Top
120	BE3342057	Flue Mounting Bracket
123	B03292283	Discharge collar
135	B03292362	Trimming
144	B03292287	Wire Clamp
147	BR2300132	Terminal Block
151	B032920200	Electrical Box Wires Stop
154	B03202286	Fairlead
165	B03295008	Control Box
166	B08086661	Control Board
170	BE3342104	Reinforcement
196	B02009193	Reflector
199	B02300688	Lamp Socket
200	B02009103	Lamp Shroud
208	B02300783	Transformer
223	B03202296	Switch Button
228	B08086253	Controls Board
230	B03292477	Switch Board Box Cover
234	B03292476	Control Board Box
250	B02009102	Ring Nut
373	BE3341633	Transformer Bracket
387	BE3342079	Glass Right Stop
388	BE3342043	Glass Left Stop
477	B03295006	Terminal Cover
*	B06001989	Blower Assembly (Includes Key Nos. 42, 48, 49, 53, 68, 69)
*	B06107341	Switch Box Assembly (Includes Key Nos.234, 228, 223, 230, 135)
-	B02300782	Fuse
-	B02300674	Fuse Holder

* Not shown assembled.

SERVICE PARTS - LISTE PIECES DE RECHANGE - LISTA DE PIEZAS DE RECAMBIO

MODEL K274

