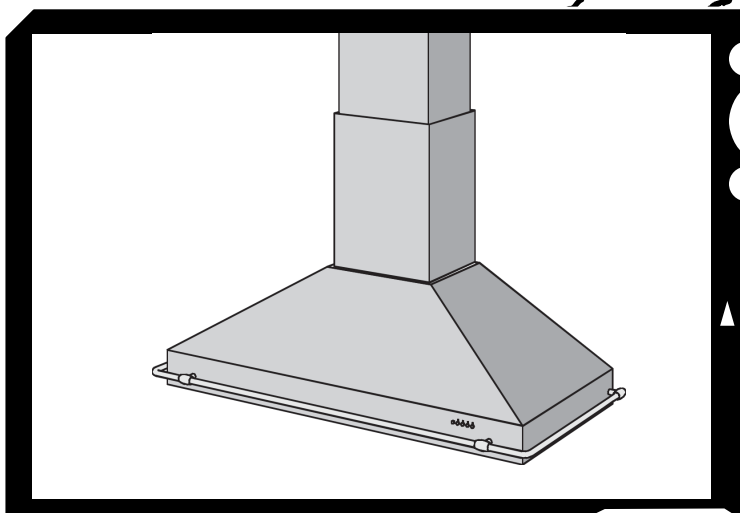


best[®]
by **BROAN**[®]



Model KER222

ENGLISH.....	3
FRANÇAIS.....	12
ESPAÑOL.....	21

READ AND SAVE THESE INSTRUCTIONS

INTENDED FOR DOMESTIC COOKING ONLY

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 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 separate solid-state speed control device.
8. To reduce the risk of fire, use only metal 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 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:*

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

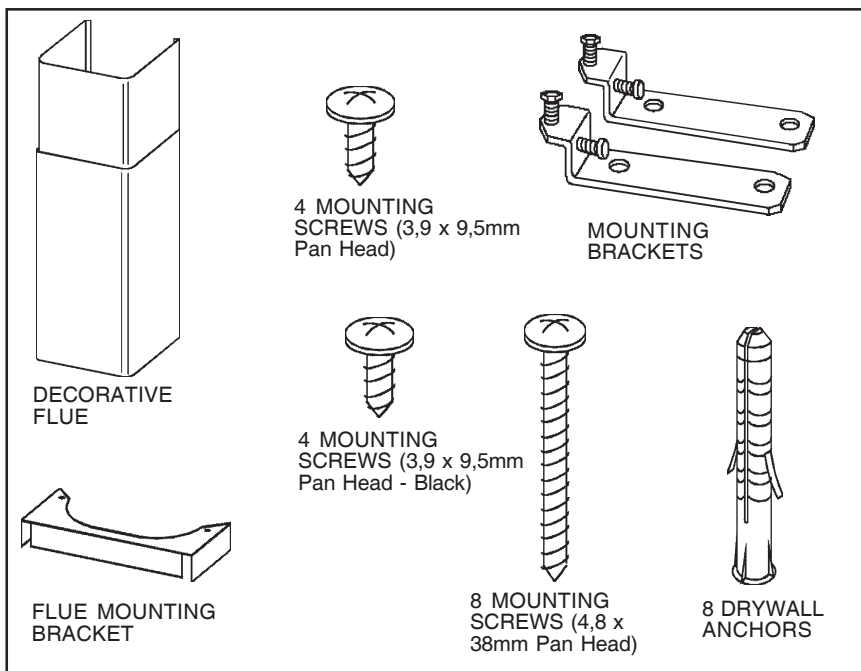
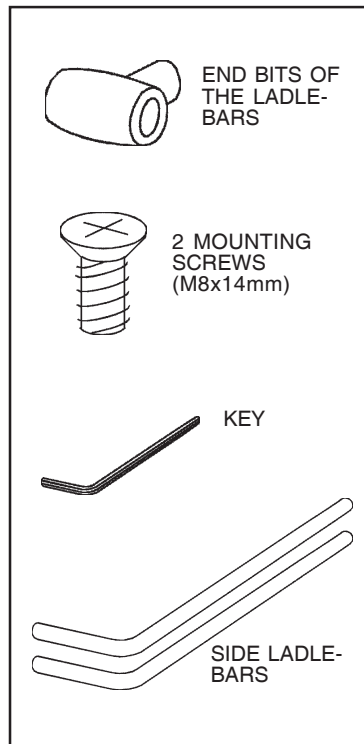
1. To reduce risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls or ceilings or into attics, crawl spaces, or garages.
2. Take care when using cleaning agents or detergents.
3. Avoid using food products that produce flames under the 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. This product is equipped with a thermostat which may start blower automatically. To reduce the risk of injury and to prevent power from being switched on accidentally, switch power off at service panel and lock or tag service panel.
10. Use with approved cord-connection kit only.
11. Please read specification label on product for further information and requirements.

PREPARE THE HOOD

Unpack hood and check contents.

You should receive:

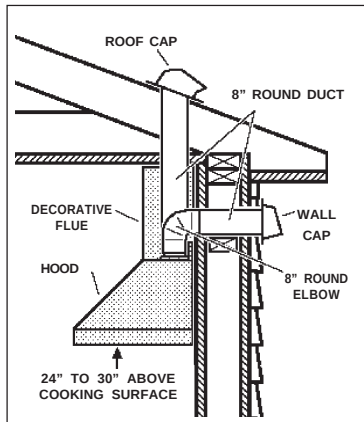
- 1 - Hood
- 1 - Decorative Flue Assembly
- 1 - Flue Mounting Bracket
- 1 - Parts Bag (B080810601) containing:
 - 2 - Mounting Brackets
 - 8 - Mounting Screws (4,8x38mm Pan Head)
 - 4 - Mounting Screws (3,9x9,5mm Pan Head)
 - 4 - Mounting Screws (3,9x9,5mm Pan Head Black)
 - 8 - Drywall Anchors
- 1 - Parts Bag (B080810321) containing:
 - 2 - Side Ladle-Bars
 - 2 - End Bits of the Ladle-Bars
 - 2 - Mounting Screws (M8 x 14mm)
 - 1 - Key
- 1 - Installation Instructions
- 1 - Warranty Card



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.
4. Install a roof or wall cap. Connect 8" round metal ductwork to cap and work back towards hood location. Use duct tape to seal the joints between ductwork sections.

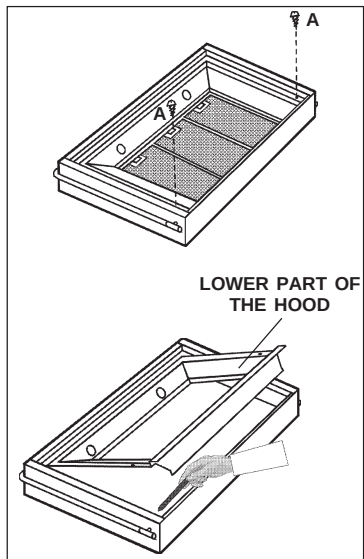
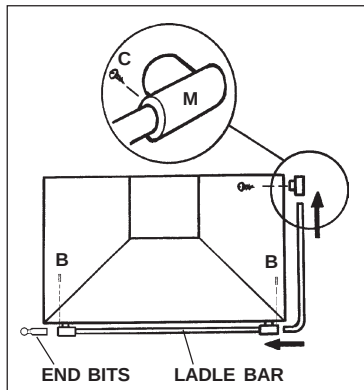


HOW TO ASSEMBLE THE LADLE BAR

The side ladle bars must be assembled before installing the hood against the wall.

To assemble the side ladle -bars follow the instructions below:

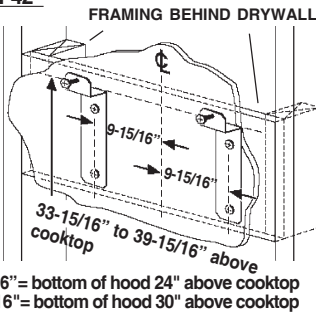
1. Take off the two end bits of the ladle bar slackening screws B. Insert the side ladle bars where the end bits were and fix them by means of screws B.
2. Insert the fixing element M into the side ladle bar and fix it tightening screw C.
3. To fix definitively the M element onto the hood, it is necessary to have access from the inside of the hood:
 - remove the grease filters: at the handle, push the stop inwards and pull the filters downwards.
 - take off the lower part of the hood unscrewing the two screws A. The lower part of the hood must not be completely taken off, but it must be bent slightly until the screwdriver can have access. Fix element M to the hood from the inside.
4. Reassemble the lower part of the hood.



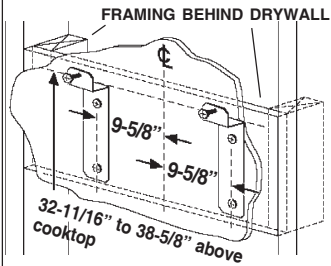
INSTALL MOUNTING BRACKETS

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

VERSION 42"

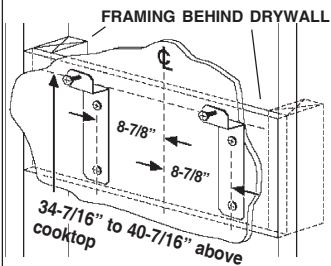


VERSION 90cm



32-11/16" = bottom of hood 24" above cooktop
38-5/8" = bottom of hood 30" above cooktop

VERSION 48"



34-7/16" = bottom of hood 24" above cooktop
40-7/16" = bottom of hood 30" above cooktop

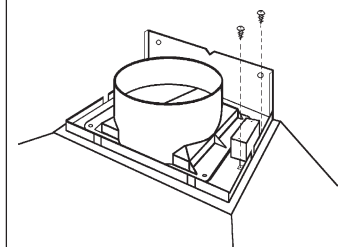
Note: minimum hood distance above cook top must not be less than 24". A maximum of 30" above cook top is highly recommended for best capture of cooking impurities. Distances over 30" are at the installer and users discretion; and if ceiling height and flue length permit.

HOOD WIDTH	CEILING HEIGHT	HOOD DISTANCE ABOVE 36" HIGH COOK TOP							DIM. "A"
		24"	25"	26"	27"	28"	29"	30"	
		BRACKET LOCATION ABOVE 36" COOK TOP							
90CM	8 FEET	29-13/16"	30-13/16"	31-13/16"	32-13/16"	33-13/16"	N / A		9-5/8"
	9 FEET	N / A		31-13/16"	32-13/16"	33-13/16"	34-13/16"	35-13/16"	
42"	8 FEET	31-1/16"	32-1/16"	33-1/16"	34-1/16"	35-1/16"	N / A		9-15/16"
	9 FEET	N / A		33-1/16"	34-1/16"	35-1/16"	36-1/16"	37-1/16"	
48"	8 FEET	31-9/16"	32-9/16"	33-9/16"	34-9/16"	35-9/16"	N / A		8-7/8"
	9 FEET	N / A		33-9/16"	34-9/16"	35-9/16"	36-9/16"	37-9/16"	

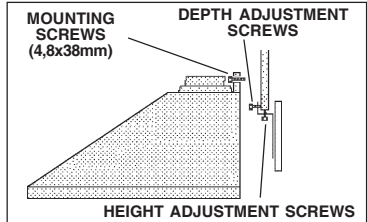
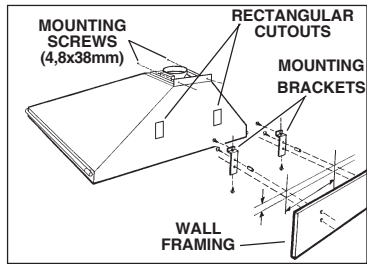
INSTALL THE HOOD

- Before mount hood remove the electrical box.
- 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.
- Height adjustment screws** provide vertical adjustment.

REMOVE THE ELECTRICAL BOX



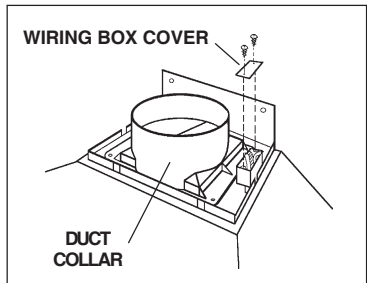
4. **Depth adjustment screws** provide horizontal adjustment.
5. Secure the hood with **mounting screws** (4,8x38mm). Use drywall anchors, provided, if wall studs or framing are not available.
6. Replace electrical box.



WIRING

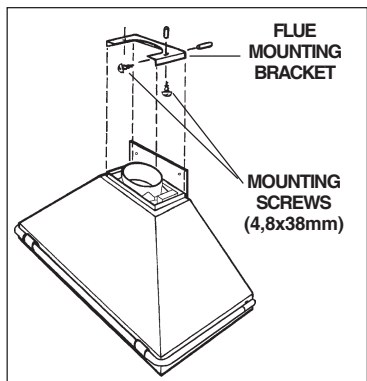
Note: This range hood must be properly grounded. The unit should be installed by a qualified electrician in accordance with all applicable national and local electrical codes.

1. Remove the **wiring box cover**. Remove a knockout from the wiring box.
2. Secure the conduit to the wiring box through a conduit connector.
3. Make electrical connections. Connect white to white, black to black and green to green or bare wire.
4. Replace wiring box cover and screws. Make sure that wires are not pinched between cover and box.

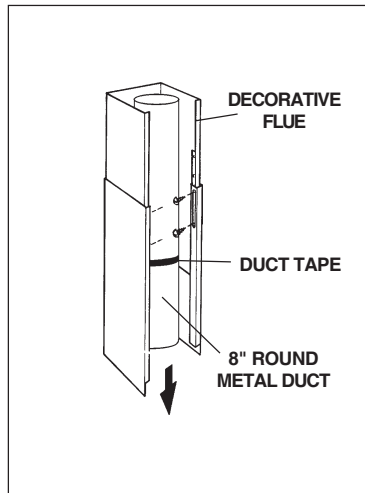
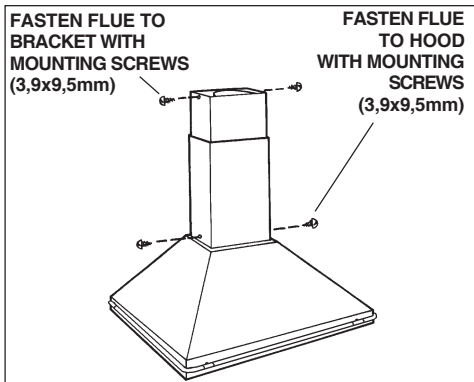


CONNECT DUCTWORK

1. Use mounting screws (4,8x38mm) and wall anchors to secure **flue mounting bracket** to the ceiling or wall as shown.
2. Use **8" round metal duct** to connect the duct collar on the hood to the ductwork above.
3. Use **duct tape** to make all joints secure and air tight.
4. Adjust the decorative flue to the desired length and tighten screw.



- Secure the decorative flue to the mounting bracket, and to the hood by tightening locking mounting screws (3,9x9,5mm) as shown.



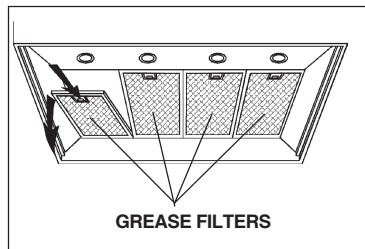
MAINTENANCE

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

Grease Filters

The **grease filters** should be cleaned frequently. Use a warm detergent solution. Grease filters are dishwasher safe.

To take off the grease filters: at the handle, push the stop inwards 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 at eye-level, on the front edge of the hood.

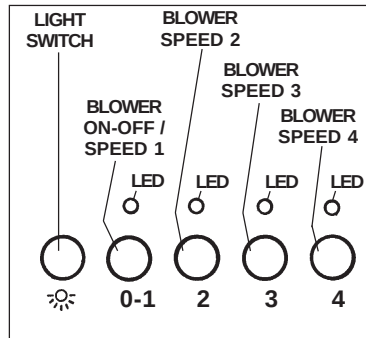
The **light switch** turns the halogen lights on and off. Push the light switch once to turn the lights ON - push a second time to turn the lights ON to a brighter level - push a third time to turn the lights OFF.

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 filter. Once the grease filter is cleaned and installed, press in and hold the “light switch” button for approximately 2 seconds during the blink of the LED.



HEAT SENTRY™

Your hood is equipped with a HEAT SENTRY™ thermostat. This thermostat is a device that will turn on or speed up the blower if it senses excessive heat above the cooking surface.

- 1) If blower is OFF - it turns blower ON to HIGH speed.
 - 2) If blower is ON at a lower speed setting - it turns blower up to HIGH speed.
- When the temperature level drops to normal, the blower will return to its original setting.

WARNING

The HEAT SENTRY thermostat can start the blower even if the hood is turned OFF. When this occurs, it is impossible to turn the blower OFF with its switch. If you must stop the blower, do it from the main electrical panel.

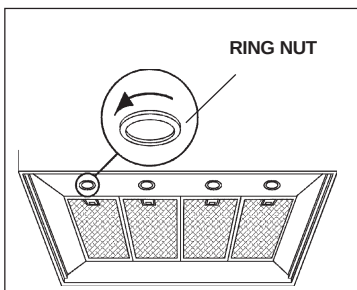
HALOGEN BULBS

This range hood requires two (2) or four (4) halogen bulbs (Type JC, 12V, 20W Max, G4 Base).

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. Remove the bulb by pulling sideward (Do not rotate). CAUTION: BULB MAY BE HOT!
3. Replace with Type JC, 12 V, 20W Max G-4 Base halogen bulb.
Do not touch replacement bulb with bare hands!



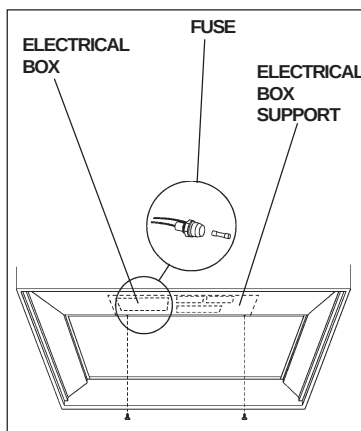
FUSE REPLACEMENT

SWITCH OFF THE ELECTRICITY SUPPLY.

Remove the grease filters.

Remove the electrical box support and open the electrical box.

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



WARRANTY

BROAN ONE YEAR LIMITED WARRANTY

Broan 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 MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

During this one-year period, Broan 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), 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'S OBLIGATION TO REPAIR OR REPLACE, AT BROAN'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. BROAN 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 Broan at the address stated below or telephone: 1-800-637-1453, (b) give the model number and part identification and (c) describe the nature of any defect in the product or part. At the time of requesting warranty service, you must present evidence of the original purchase date.

BEST BY BROAN, P.O. Box 140 Hartford, Wisconsin 53027

SERVICE PARTS

MODEL KER222 - Parts for stainless steel models shown. For service parts for black, white, polished brass, or brushed copper models, call Broan Customer Service.

KEY NO.	PART NO.	DESCRIPTION
9	B08087135	Grease Filter (90cm/42" models)
9	B08087136	Grease Filter (48" models)
14	B02300233	Motor Capacitor
16	BE3345767	Electrical Box Support (90cm/42" models)
16	BE3345786	Electrical Box Support (48" models)
19	B03295005	Capacitor Protection
26	B02300891	Halogen Lamp Bulb
37	B02300787	Heat Sentry
38	B03292357	Electrical Box
38	BW0000027	Controls Cover
39	B03294033	Electrical Box Cover
42	B03295001	Ductfree Filter Bracket
48	B02310201	Motor
49	B03295071	Blower Wheel
53	B03202007	Rubber Washer
56	B03292465	Duct Connector
57	B02011004	Damper Flap
63	BE3403611	Upper Bracket
64	BE3243021	Bottom Bracket
68	B02011064	Right Blower Housing
69	B02011063	Left Blower Housing
113	B02011284	Nameplate
115	BE3495228	Wiring Box
116	BE3334252	Wiring Box Cover
118	BE3341301	Decorative Flue Bottom
119	BE3338411	Decorative Flue Top
120	BE3300517	Flue Mounting Bracket
133	B02009290	Utensil Rail (48" models)
133	B02009293	Utensil Rail (90cm models)
133	B02009292	Utensil Rail (42" models)
136	B02009291	Side Utensil Rail
136	B02009126	Side Utensil Rail
141	B02009187	End bits
144	B03292287	Wire Clamp
147	BR2300135	Junction Clamp
156	B02009186	Coupling Sleeve
165	B03295008	Wiring Box
166	B08086662	Circuit Board
208	B02300783	Transformer (90cm models)
208	B02300792	Transformer (42"/48" models)
223	B03202296	Switch Button
274	B03295035	Fuse Box
474	B02300790	Halogen Lamp Housing
477	B03295006	Closing
998	B080810601	Hardware Package
*	B06002008	Blower Assembly (Includes Key Nos. 42, 48, 49, 53, 68, 69)
*	B06107579	Switch Box Assembly (Includes Key Nos. 107, 223, 230, 234, 38, 67)
-	B02300782	Fuse
-	B02300674	Fuse Holder

* Not shown assembled.

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

MODEL KER222

