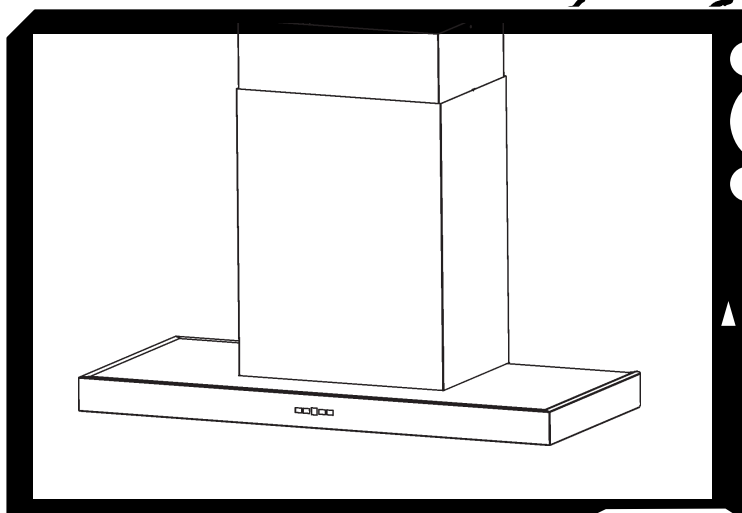


# best®



## Model WPB9

ENGLISH.....	3
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In USA - BEST Hartford, Wisconsin

In CANADA - BEST Drummondville, QC, Canada

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For additional Information visit [www.BestRangeHoods.com](http://www.BestRangeHoods.com)



# 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 steel ductwork.

## **GROUNDING INSTRUCTIONS**

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape wire for the electric current.

**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.

## **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. For indoor use only.
2. 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.
3. Take care when using cleaning agents or detergents.
4. Avoid using food products that produce flames under the Range Hood.
5. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
6. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
7. 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.
8. For best capture of cooking impurities, the bottom of the hood should be a minimum of 24" and a maximum of 36" above the cooking surface.
9. Two installers are recommended because of the large size and weight of this hood.
10. 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.
11. Please read specification label on product for further information and requirements.

## CLEANING AND MAINTENANCE

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

### **Motor**

The motor is permanently lubricated and never needs oiling. If the motor bearings make excessive or unusual noise, replace the motor with the exact service motor. The impeller should also be replaced.

### **Grease Filters**

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

Clean all-metal filters in the dishwasher using a non-phosphate detergent. Discoloration of the filter may occur if using phosphate detergents, or as a result of local water conditions - but this will not affect filter performance. This discoloration is not covered by the warranty. See "INSTALL FILTERS" section for removal and installation instructions.

### **Stainless Steel Cleaning**

#### **DO:**

- Regularly wash with clean cloth or rag soaked with warm water and mild soap or liquid dish detergent.
- Always clean in the direction of original polish lines.
- Always rinse well with clear water (2 or 3 times) after cleaning. Wipe dry completely.
- You may also use a specialized household stainless steel cleaner.

#### **DON'T:**

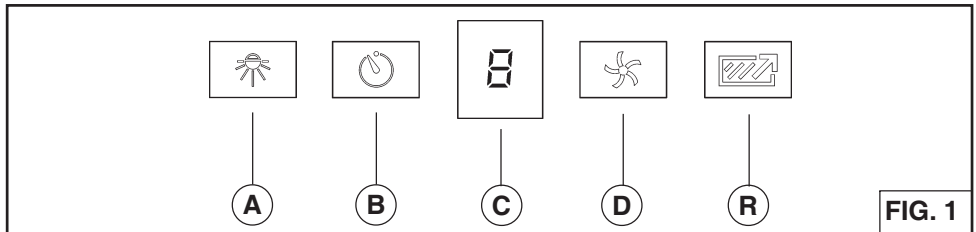
- Use any steel or stainless steel wool or any other scrapers to remove stubborn dirt.
- Use any harsh or abrasive cleansers.
- Allow dirt to accumulate.
- Let plaster dust or any other construction residues reach the hood. During construction/renovation, cover the range hood to make sure no dust sticks to the stainless steel surface.

#### **Avoid: When choosing a detergent**

- Any cleaners that contain bleach will attack stainless steel
- Any products containing: chloride, fluoride, iodide, bromide will deteriorate surfaces rapidly.
- Any combustible products used for cleaning such as acetone, alcohol, ether, benzol, etc., are highly explosive and should never be used close to a range.

# OPERATION

## Controls (Fig.1)



**Button A** = turns the lights on/low/high/off.

**Button B** = Activates/Deactivates the delay-off feature. Press once (when blower is on) to activate the delay-off feature. The selected speed level that is displayed in display "C" will blink when this feature is activated. After 10 minutes, the blower will then turn off. Delay can be deactivated at any time by pressing the button again.

**Display C** = Indicates the selected speed of the blower 1, 2, 3, or b for boost. "-" indicates the need to clean the grease filter.

**Button D** = Turns on the blower. Hood will turn on to the last speed selected. The blower speed will change each time the button is pushed (from 1 to "b"). To turn the blower off, press and hold button for approximately 2 seconds.

**Button R** = Filter clean indicator reset. Press and hold for 2 seconds to reset the indicator.

## 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.

## REMOTE CONTROL:

An optional ACR Series remote control (purchase separately) can be used to operated the range hood.

## HALOGEN BULBS

This range hood requires 4 halogen bulbs (Type T4, 120 Volt, 25 Watt Max, G9 Base).



**WARNING:** Always switch off the electrical supply before carrying out any operation on the appliance.

To change bulbs:

1. Open the cover by gently prying from proper slots (Fig.2).

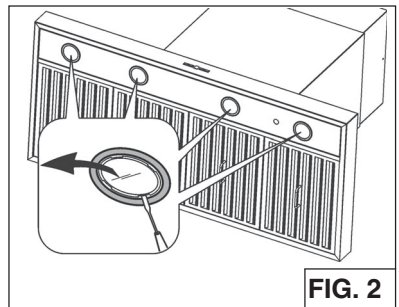
2. Remove the bulb by pulling sideways (DO NOT ROTATE).



**CAUTION:** Bulb may be hot.

3. Replace with Type T4, 120 Volt, 25 Watt Max, G9

Base halogen bulbs. Do not touch replacement bulbs with bare hands!

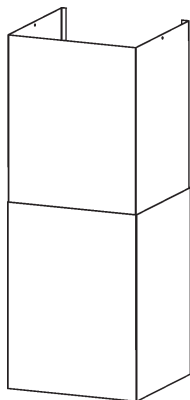


## PREPARE THE HOOD

Unpack hood and check contents.

You should receive:

- 1 - Hood
- 1 - Decorative Flues
- 1 - Parts Bag (080811032) containing:
  - 1 - Duct Collar
  - 6 - Mounting Screws (3,9 x 9,5mm Pan Head)
  - 2 - Mounting Screws (3,9 x 6mm Flat Head)
  - 6 - Mounting Lag Screws (6 x 60mm)
- 1 - Flue Mounting Bracket Set
- 1 - Installation Instructions



DECORATIVE  
FLUES



FLUE MOUNTING  
BRACKET SET



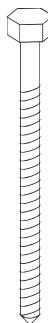
DUCT COLLAR



2 MOUNTING  
SCREWS (3,9x6mm  
Flat Head)



6 MOUNTING  
SCREWS (3,9x9,5mm  
Pan Head)



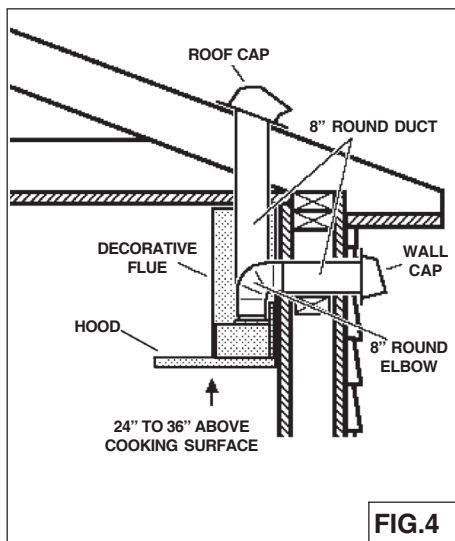
6 MOUNTING LAG  
SCREWS (6x60mm)

**FIG. 3**

## INSTALL THE DUCTWORK

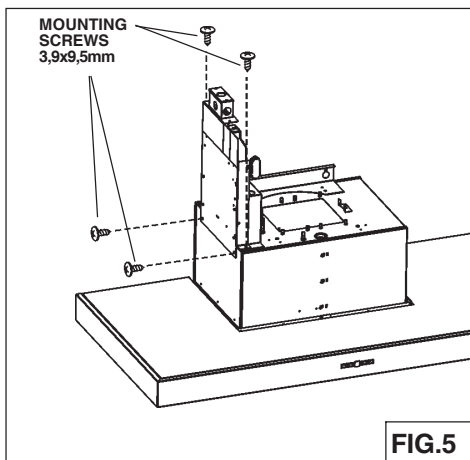
**NOTE:** To reduce the risk of fire, use only metal ductwork.

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" WPPIQ (or 10" WPPIQT) round metal ductwork to cap and work back towards hood location. Use duct tape to seal the joints between ductwork sections (Fig.4).



## MOUNT ELECTRICAL PLATE

Fix the electrical plate with 4 screws (3.9x9.5mm) to the hood, the screws are located in the Hardware Package (Fig. 5).



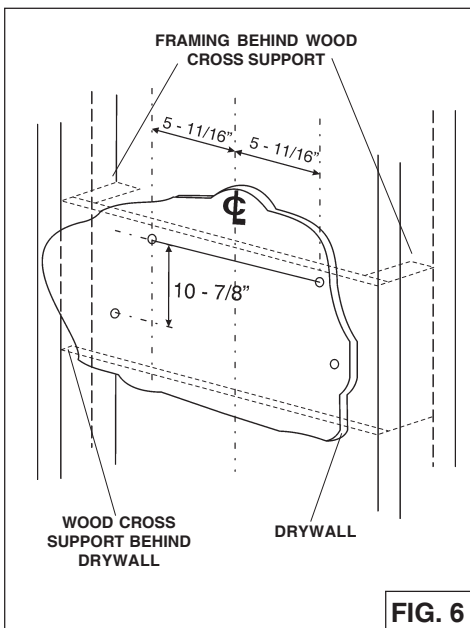
## INSTALL THE HOOD

Remove the plastic protective film from all exterior surfaces, decorative flues and filters, prior to final installation.

1. Construct wood wall framing that is flush with interior surface of wall studs (Fig. 6).

Make sure:

- a) the framing is centered over installation location.
  - b) the height of the framing will allow the hood to be secured to the framing within the dimensions shown.
2. Install the (2) 6 x 60mm screws for the top of the hood at the dimensions shown in Fig.7-8. Use the two outer keyhole slots, do not completely tighten the screws.
  3. Hang the hood onto the screws.
  4. Secure (2) 6 x 60mm screws at the outer locations of the hood. Tighten all (4) screws.



Notes:

- a. Minimum hood distance above cook top must not be less than 24". A maximum of 36" above cook top is highly recommended for best capture of cooking impurities. Distances over 36" are at the installer and the users discretion; and if ceiling height and flue length permit.

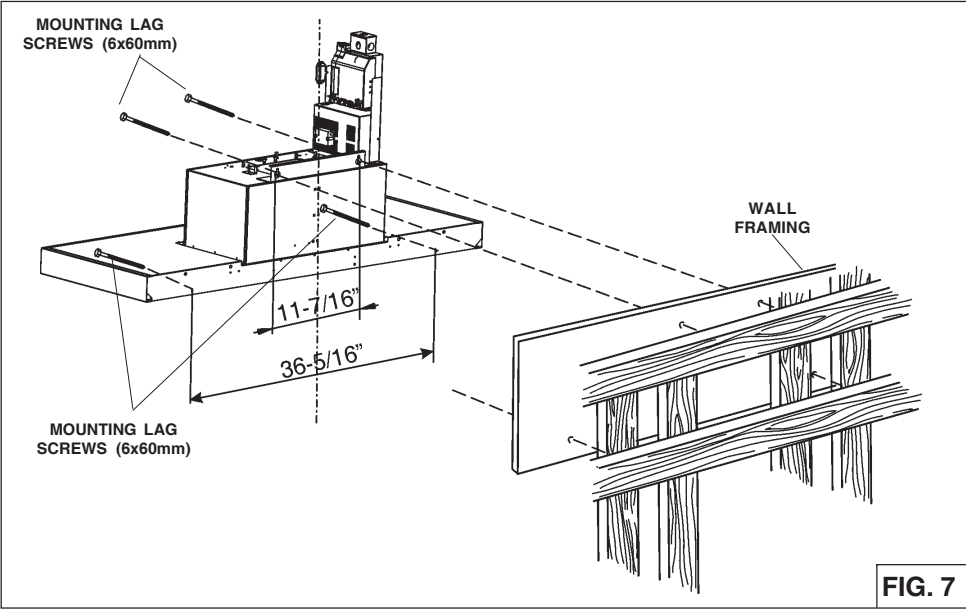


FIG. 7

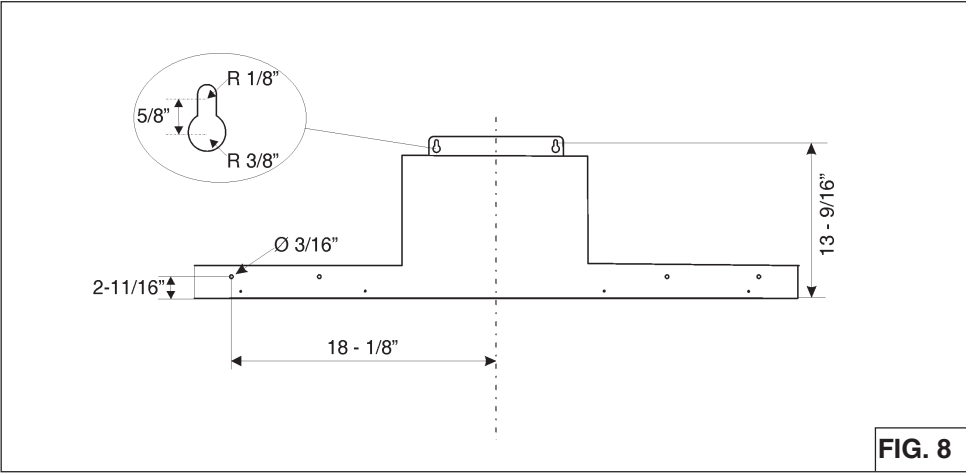
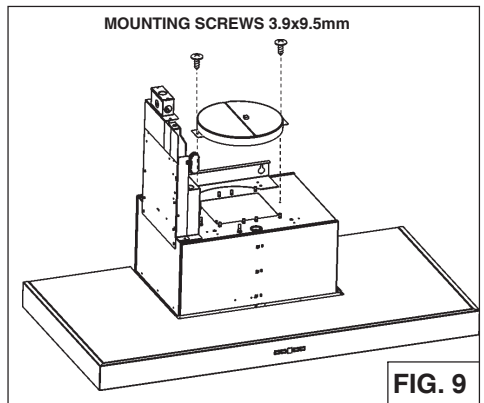


FIG. 8

## MOUNT THE DUCT COLLAR

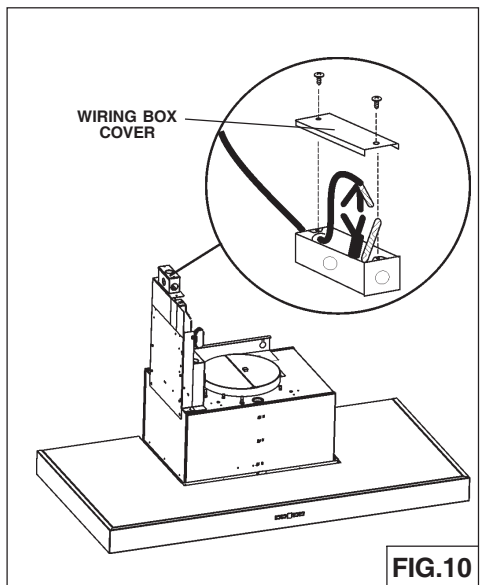
Fix the duct collar to blower discharge with 2 screws (3.9x9.5mm), the screws are located in the Hardware Package (Fig. 9).



## WIRING

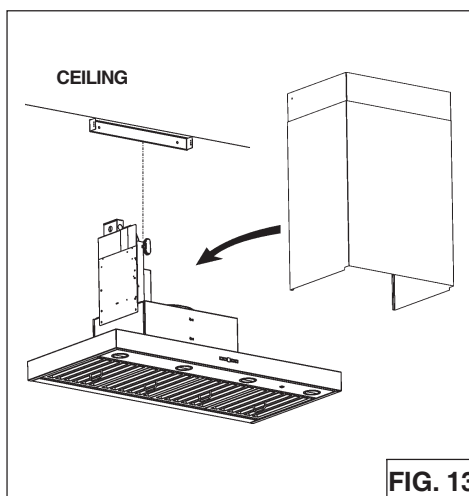
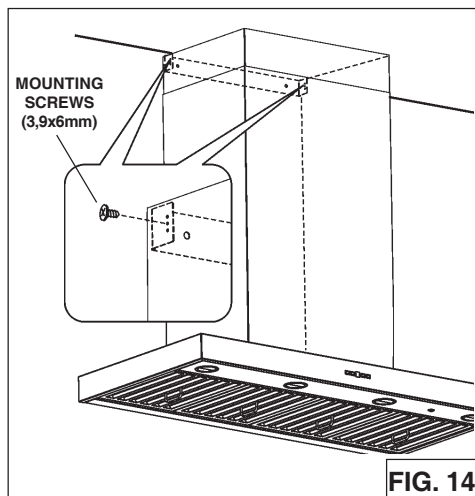
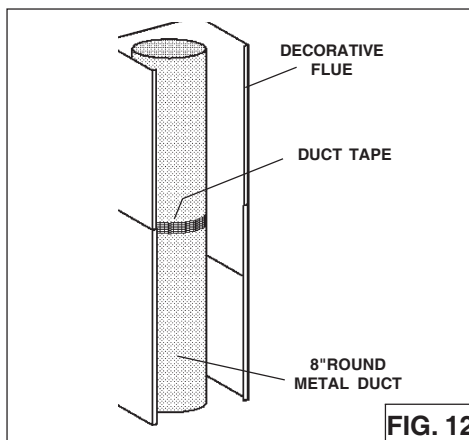
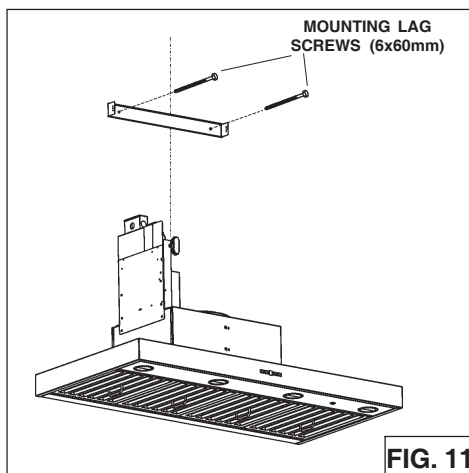
**Note: This range hood must be properly grounded. The unit should be installed by a qualified electrician in accordance with all applicable national and local electrical codes.**

1. Remove the **wiring box cover**. Remove a knockout from the wiring box (Fig.10).
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.
4. Replace wiring box cover and screws. Make sure that wires are not pinched between cover and box.



# INSTALL FLUE MOUNTING BRACKET

1. **Carefully** center the mounting bracket directly over the range hood location.
2. Secure the bracket to the wall using (2) 6 x 60mm mounting lag screws (Fig.11). Make sure the bracket is pushed into the corner, tight against the wall if necessary, and centered over the hood. Complete the installation.
3. Attach ductwork to damper/duct connector.
4. Run 8" diameter metal ductwork to the outside location (Fig.12).
5. Install an appropriate wall or roof cap with damper to exhaust the air to the outside.
6. Tape all duct joints with aluminum duct tape.
7. Install upper and lower decorative flues onto the range hood (Fig.13).
8. Secure upper flue to flue mounting bracket with (2) 3.9 x 6mm screws (Fig.14).

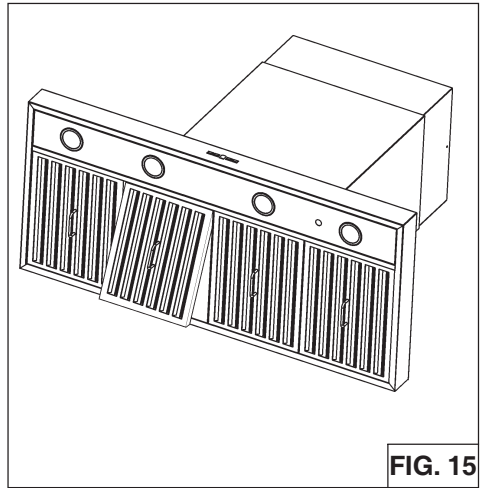


## INSTALL FILTERS

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NOTE: Prior to use, remove protective film from the filter frame.

1. To remove the GREASE filter, (Fig.15) push the filter towards the front so that it clears the filter channel, then pull down on the handle to disengage the filter from the hood. Tilt the filter downward and remove.
2. The grease filters (see page 5 for cleaning instructions) should be cleaned frequently. Use a warm detergent solution. Grease filters are dishwasher safe.
3. To install the GREASE filter, align rear filter tabs with spring in the hood. Pull down handle, push filter into position and release. Make sure the filter is securely engaged after installation.



# CALIBRATE IQ BLOWER SYSTEM™

## INTERNAL BLOWER DUCTED UNITS ONLY

After the hood is installed and wired, engage the calibration process (our Guaranteed Performance System Technology to ensure full-rated airflow is being delivered). Prior to calibration, ensure that all filters, light bulbs and duct system are installed.

## CALIBRATION PROCESS

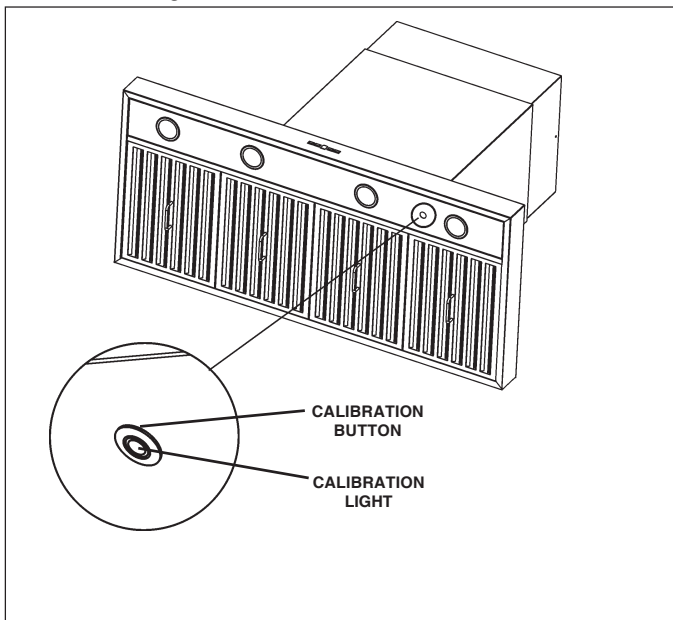
Hold the calibration button for 3 seconds; calibration button will light up and stay on for up to 13 minutes. The blower will start and begin the calibration process. When calibration is complete, one of two things will occur:

1. The blower turns off and calibration button light stays on = Successful calibration. Press the button to turn off the LED. Note: The LED will also turn off if you select any blower speed on the control.
2. The blower turns off and calibration button light blinks continuously = Too much restriction in the ductwork is preventing the IQ Blower System™ from achieving the rated airflow. The blower is automatically set to maximum intensity.

NOTE: Common items that cause restrictions: restricted damper flap (backdraft damper, wall cap, roof cap), too many elbows, duct size less than 80% of hood outlet, poor transition, use of flex ducting and/or crushed ducting.

Three options are available if your hood system has too much restriction:

1. Accept airflow as is.
  - a. Press the calibration button to accept airflow as is. The IQ Blower System™ is now configured to the highest possible performance. The blinking calibration light goes out. Note: The LED will also turn off if you select any blower speed on the control.
2. Correct duct restriction, clear the original calibration data, and repeat the calibration process.
  - a. Correct the duct restriction.
  - b. Clear the original calibration data by holding calibration button for 10 seconds. The light will blink 3 times to confirm and the blower configuration will go back to default settings.
  - c. Repeat calibration process from the beginning.
3. Clear calibration data to reset hood to default factory setting and achieve standard high pressure blower performance.
  - a. Clear calibration data and reset hood to factory default setting by holding calibration button for 10 seconds. The light will blink 3 times to confirm and the blower configuration will go back to default settings.



# WARRANTY

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## ONE YEAR LIMITED WARRANTY FOR BEST PRODUCTS

Broan-NuTone LLC (Broan-NuTone) warrants to the original consumer purchaser of Best 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-NuTone 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, FUSE, FILTERS, DUCTS, ROOF CAPS, WALL CAPS AND OTHER ACCESSORIES FOR DUCTING. 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), 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'S OBLIGATION TO REPAIR OR REPLACE, AT BROAN-NUTONE'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. BROAN-NUTONE 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-NuTone at the address stated below or telephone number stated below, (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.

In USA - Best®, 926 W. State Street, Hartford, WI 53027 (800-558-1711)

In Canada - Best®, 550 Lemire Blvd., Drummondville, QC J2C 7W9 (866-737-7770)

[www.BestRangeHoods.com](http://www.BestRangeHoods.com)

## SERVICE PARTS

### MODEL WPB9

KEY NO.	PART NO.	DESCRIPTION
9	B08087951	Grease Filters
37	B02300804	Heat Sentry
67	B06102611	Wires Assembly
114	B03292499	Runner Wires
115	BE3350233	Wiring Box
116	BE3334252	Wiring Box Cover
120	BE3353371	Flue mounting Bracket
202	B03292290	Wire Clamp
274	B03295035	Fuse Box
415	B03292596	Fairlead
439	B02320034	Grommet
474	B02300918	Halogen Lamp
485	B08016409	Decorative Flue Assembly
506	97019434	BLDC Driver
507	B06102584	Calibration Button Assembly
AQI	B06102596	Switch Box Assembly
ARU	BE3405192	Duct Connector Assembly 10"
IME	B06145225	Electrical Installation Assembly
CAS	B06002259	Blower Assembly
*	B080811032	Fitting Set

\* Not shown assembled

