



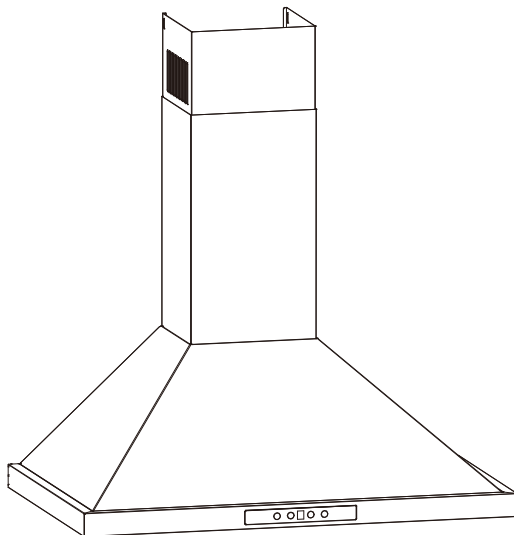
BRUNSTAG

PRECISION BUILT
FOR CONFIDENT COOKING.

ITEM: RH-AZ0576ESS
RH-AZ0590ESS

RANGE HOOD INSTALLATION & OPERATION MANUAL

V2.0
06/08/2026



REGISTER YOUR PRODUCT

Register your product within 90 days to confirm warranty coverage and receive complete product support.

Register online at brunstag.com/register
or scan the QR code on the right.



REGISTER YOUR RANGE HOOD

Maximize your warranty benefits and ensure prompt service.

IMPORTANT Warranty will not be recognized unless product is registered.

Register online at <https://brunstag.com/register> or scan the QR code below. Registering your product maximizes your warranty benefits and ensures prompt service and support.

01

SCAN

Use your phone camera to scan the QR code.

02

REGISTER

Fill in a quick registration form.

03

SUBMIT

Click Submit and enjoy peace of mind.



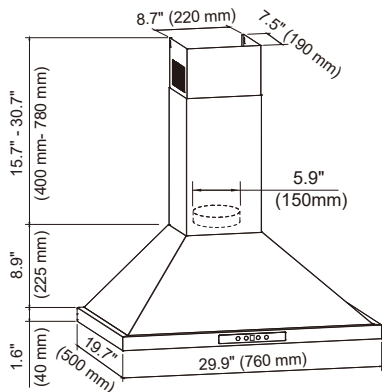
Scan to register
<https://brunstag.com/register>

Thank you for your purchase.

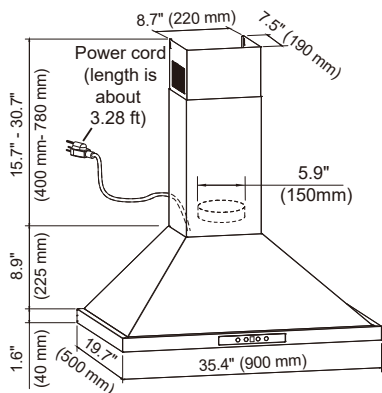
Need help? For technical support call 305-614-4070 or visit us at

www.BRUNSTAG.com

PRODUCT SIZE CHART



RH-AZ0576ESS



RH-AZ0590ESS

COMPONENTS



[01]



[02]



[03]



[04]



[05]



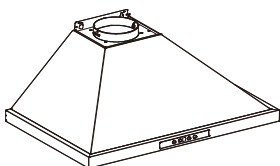
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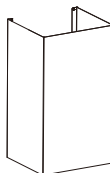
[07]



[08]



[09]



[10]



[11]



[12]

PART	Description	Qty.
01	Chimney Mounting Bracket	1
02	Metal Adapter	1
03	#10 x 1.77" Screw	6
04	3/8" Anchor	6
05	#4 x 0.55" Screw	2
06	1/4" Anchor	2

PART	Description	Qty.
07	M4 x 0.23" Screw	2
08	#4 x 0.31" Screw	4
09	Range Hood	1
10	Lower Flue	1
11	Upper Flue	1
12	Damper Flaps	2

Thank you for purchasing an BRUNSTAG Range Hood. Please read and follow the installation and operation instructions carefully, to ensure the long life and reliable operation of this appliance. Failure to do so could cause property damage, serious injury or death. Please keep this manual for future reference.

SAFETY PRECAUTIONS

Read and save these instructions.



WARNING

REDUCE THE RISK OF INJURY

- To reduce the risk of fire, electrical shock, injury to persons, or damage when using the oven, follow basic precautions, including the following.

WARNING

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Before servicing or cleaning unit, switch power off at service panel and lock the switch to prevent power from being switched on accidentally. When the switch 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. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
5. This unit must be grounded.
6. 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.
7. This product may have sharp edges. Be careful to avoid cuts and abrasions during installation or cleaning.
8. To reduce the risk of fire, use only metal ductwork.
9. Ducted fans must always be vented to the outdoors.
10. 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.
11. TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING(Based on "Kitchen Fire Safety Tips" published by NFPA.):
 - a. 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.
 - b. NEVER PICK UP A FLAMING PAN - You may be burned.
 - c. DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result. Use an extinguisher ONLY if:
 - I. You know you have a Class ABC extinguisher, and you already know how to operate it.
 - II. The fire is small and contained in the area where it started.
 - III. The fire department is being called.
 - IV. You can fight the fire with your back to an exit.

SAFETY PRECAUTIONS

Read and save these instructions.

WARNING

12. Manufacturer will not be held liable for any damages resulting from incorrect or improper installation.
13. 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.
14. Please read specification label on product for further information and requirements.
15. 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.

CAUTION

1. For indoor use only.
2. For General Ventilating Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors.
3. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
4. Your range 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.
5. The bottom of the hood **MUST NOT BE LESS** than 25.5" and at a maximum of 36" above cooktop for best capture of cooking impurities.
6. To Reduce The Risk Of Fire Or Electric Shock. Do Not Use This Fan With Any Solid-State Speed Control Device.
7. To reduce risk of fire and to properly exhaust air, be sure to duct air outside. Do not exhaust air into spaces within walls or ceilings or into attics, crawl spaces, or garages.
8. Be careful when installing the decorative flue and hood, they may have sharp edges.
9. Electrical installation must be in accordance with the National Electrical Code ANSI/NPA70-latest edition and/or local codes.
10. In certain circumstances electrical appliances maybe a danger hazards.
 - a. Do not check the status of the filters while the cooker hood is operating.
 - b. Do not touch the light bulbs after appliance use.
 - c. Do not disconnect the appliance with wet hands.
11. There shall be adequate ventilation of the room when the range hood is used at the same time as appliances burning gas or other fuels.
12. Two installers are recommended because of the size of this hood.
13. The manufacturer reserves the right to make changes to its products when considered necessary and useful, without affecting the essential safety and operating characteristics.
14. The installer should leave these instructions with the consumer who should retain for local inspectors' use and for future reference.

SAFETY PRECAUTIONS

Read and save these instructions.

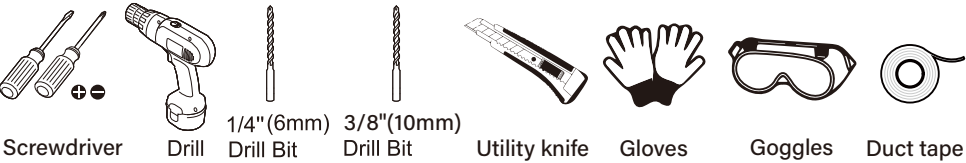
NOTICE

1. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSH Act).
 2. Always disconnect the power source before working on the range hood.
 3. Make sure that the electric service supply voltage is AC 120V, 60Hz.
 4. Protect the power cord from sharp edges, oil, grease, hot surfaces, chemicals or other objects.
 5. Do not kink the power cord.
 6. Always turn the range hood on when cooking at high heat or when cooking flaming foods. Use high settings on the cooking range only when necessary.
7. Deep fat fryer must be continuously monitored during use: overheated oil can burst into flame.
 8. The hood should not be used by children or persons not instructed in its correct use.
 9. Children don't recognize the risks of electrical appliances. Therefore they should use the appliance only under supervision of adults. Keep out of the reach of children.
 10. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

DISPOSAL

Dispose of or recycle your appliance in accordance with Federal and Local Regulations. Contact your local authorities for the environmentally safe disposal or recycling of your appliance.

TOOLS AND MATERIALS



INSTALLATION GUIDELINES

CAUTION

1. Carefully inspect all items for damages upon delivery. Upon acceptance of items, owner assumes responsibility for its safe arrival.
2. Before installing your unit, test the range hood for proper functionality by plugging it into the wall and testing the fan and lights. Do not install this range hood if it has missing or broken parts. If the unit arrives damaged, contact BRUNSTAG Customer Service for help.
3. Plug the range hood into a GFCI outlet.
4. Inspect duct work and wiring before proceeding with installation.
5. Improper grounding can result in a risk of electric shock. Consult a qualified electrician if doubt about whether the outlet is properly grounded. Do not use an extension cord. Install an outlet near the range hood if needed.
6. The ducting from this range hood to the outside of the building has a strong effect on the air flow, noise and energy use of the range hood. Use the shortest, straightest duct routing possible for best performance, and avoid installing the range hood with smaller ducts than recommended.
7. Use a roof cap or wall cap that has a built-in damper to reduce backdrafts.
8. To reduce the risk of fire, use only metal ductwork. 6" ductwork is needed for installation.
9. Old duct work should be cleaned or replaced, if necessary, to avoid the possibility of a grease fire or other hazard. Check all joints on duct work to ensure proper connection; all joints should be properly taped/secured.
10. You may need the help of a second person to install this range hood.

INSTALLATION

 **WARNING** - Shut down power supply at breaker box before starting installation.

Step 1

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

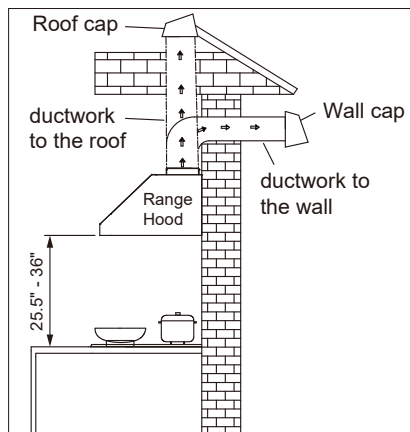


Fig 1

NOTE:

- Ducting is not provided with your BRUNSTAG range hood. It's recommended to use solid ducting made of galvanized steel or another appropriate rigid metal ducting whenever possible for the lowest noise and highest flow.
- Do not use any reducers on ducting smaller than the appropriate diameter.
- Any existing or additional dampers should be inspected for proper operation.

INSTALLATION

Step 2

1. Remove the grease filters from the **Range Hood [09]** by pulling down the latch tabs and tilting filters downward to remove. (Fig 2.a)
2. Position the **Range Hood [09]** to the wall and adjust it with the level. (Fig 2.b)
Note: The bottom of the hood MUST NOT BE LESS than 25.5" and at a maximum of 36" above cooktop.
3. Mark the screw holes on the wall as figure shows. Two holes at the top of **Range Hood [09]**, two holes from the inside of the it. (Fig 2.c)
4. Hold the **Range Hood [09]** still and install the **Lower Flue [10]** to it. Mark the screw holes at the top of the **Lower Flue [10]** on the wall as figure shows. Then remove the hood and flue. (Fig 2.b)
5. Draw a center line between the screw holes and up to the ceiling. (Fig 2.b)
6. Center the **Chimney Mounting Bracket [01]** with the center line and 27.7" - 40.7" from the bottom of **Range Hood [09]** to the upper edge of the bracket. Mark the screw holes on the wall as figure shows. Remove the bracket. (Fig 2.d)
7. Make sure there is a **GFCI outlet** installed to the wall where it will be covered by the **Lower Flue [10]**. (Fig 2.d)

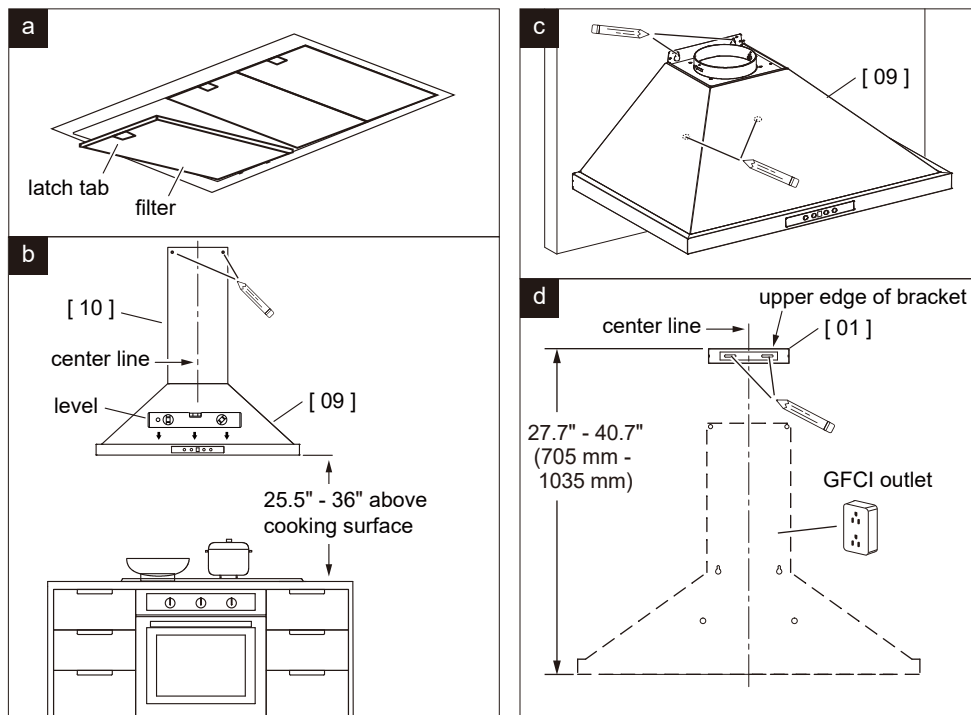


Fig 2

INSTALLATION

Step 3

1. Drill holes at locations according to Fig 3 on the right and insert the matching anchors. (Fig 3)
2. Install two **#10 x 1.77" Screws [03]** to anchors for hanging the range hood as Fig 3 shows. Make sure to leave the screw heads out roughly 1/4" from the wall in order to mount the range hood. (Fig 3)

Note: Make sure there is wood framing behind the screw holes.

Anchors are for dry wall or cement wall. Drive screws directly into the wood framing or drill smaller pilot holes.

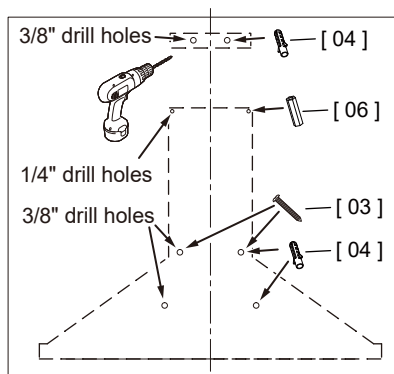


Fig 3

Step 4

1. Hang the **Range Hood [09]** on the **#10 x 1.77" Screws [03]**. (Fig 4)
2. Install both **Damper Flaps [12]** inside the **duct outlet**, making sure the pins are on top. (Fig 4)
3. Install **Metal Adapter [02]** to the duct outlet. Align the side holes of it with the side holes of the duct outlet and secure it with **#4 x 0.31" Screws [08]**. Secure your ducting connection to the **duct outlet** using **Duct tape** to hold it in place. Try to minimize the use of elbows. More elbows and longer runs will reduce the air suction. Use **Duct tape** to make all joints secure and air tight. (Fig 4)

Note: Make sure the dampers at the duct outlet of range hood can be opened and closed easily.

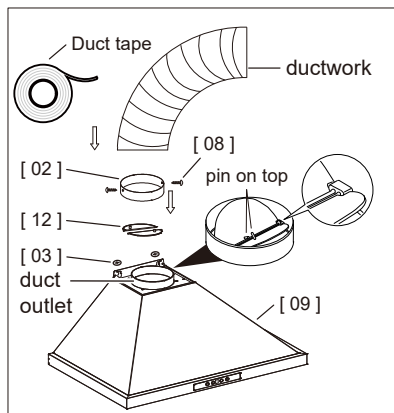


Fig 4

Step 5

1. Carefully remove the **Range Hood [09]** from the wall. **Do not over pull the ductwork!** (Fig 5)
2. Hold the **Range Hood [09]** and install the **Lower Flue [10]** on the top of it. Secure the **Lower Flue [10]** to the **Range Hood [09]** by two **#4 x 0.31" Screws [08]** as figure shows. (Fig 5)
3. Slide the **Upper Flue [11]** downward from the top of **Lower Flue [10]**. Make sure the front of it faces forward. (Fig 5)
4. Connect the **Range Hood [09]** to the **GFCI outlet** and hang the **Range Hood [09]** back to the wall. (Fig 5)

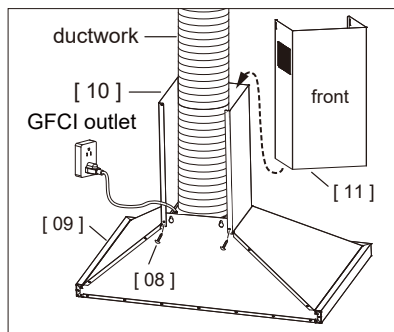


Fig 5

INSTALLATION

Step 6

1. Secure **Range Hood [09]** with two **#10 x 1.77" Screws [03]** from the inside. (Fig 6)
2. Secure the **Lower Flue [10]** with two **#4 x 0.55" Screws [05]**. (Fig 6)

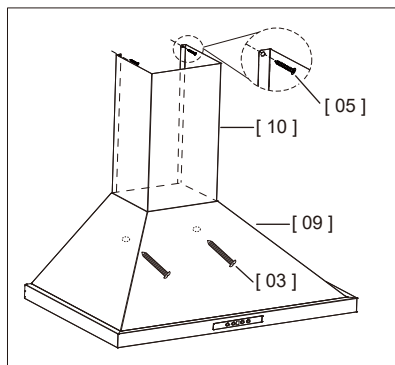


Fig 6

Step 7

1. Center the **Chimney Mounting Bracket [01]** over the **Range Hood [09]** and hold it at the position. (Fig 7)
2. Secure the **Chimney Mounting Bracket [01]** with two **#10 x 1.77" Screws [03]**. (Fig 7)
3. Pull up the **Upper Flue [11]** and secure with two **M4 x 0.23" Screws [07]** from two sides. (Fig 7)

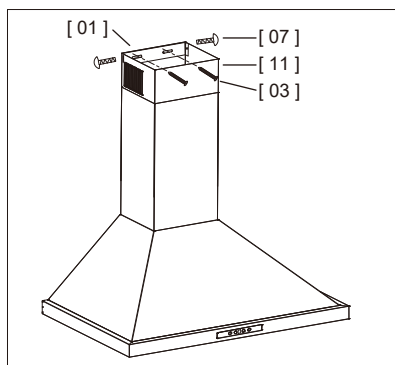


Fig 7

Step 8

1. Install the grease filters back to the range hood to finish the installation. (Fig 8)

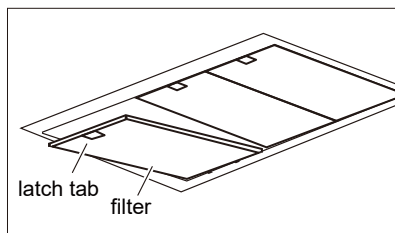


Fig 8

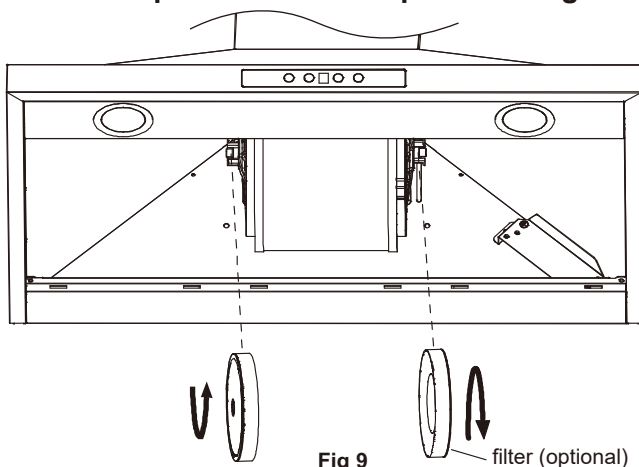
INSTALLATION

Ductless installation

The installation shown above is specifically for a duct connection. For a non-duct installation, please call our customer support line 305-614-4070 to purchase the necessary non-duct recirculation filters.

Attach them to the sides of blower by aligning lock slots and rotating until filters lock into place. Then install the range hood by following Step 2, 3, 4(proceed without the ductwork and duct tape), 5, 6, 7, and then 8. The flues installation is optional.

Note: The air will be expelled from the top of the range hood.

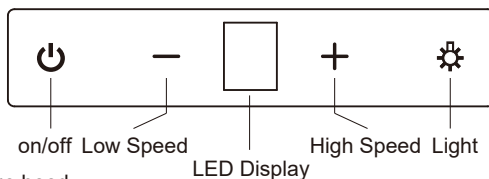


OPERATING INSTRUCTIONS

⚠ WARNING - This RANGE HOOD must be properly installed before it is used.

OPERATION OF CONTROLS

- Press  to turn the range hood on/off.
- Press  to turn the LED lights on/off.
- When the range hood is on, press  to reduce the air flow level, press  to increase the air flow level. There are 3 levels for this range hood.
- When the range hood is on, hold down  and  for 2 seconds to activate power-off delay timer. The LED Display flashes during the delay countdown. After 5 minutes, the light and motor turn off automatically.
- Pressing  during countdown will turn off the range hood. Press  or  during countdown will adjust the air flow level, the countdown continues.



CLEANING AND MAINTENANCE

WARNING

Always disconnect the power source before working on the range hood.

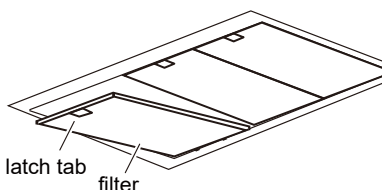
Proper maintenance of the Range Hood will assure proper performance of the unit.

MOTOR

The motor is permanently lubricated and never needs oiling. If the motor bearings make excessive or unusual noise, replace the blower. It's important to replace with the exact same blower for optimal performance.

GREASE FILTERS

The grease filters are washable and should be cleaned frequently. Use a warm dishwashing detergent solution. Remove grease filters by pulling down on the latch tab. This will disengage the filters from the hood. Tilt the filters downward and remove.



NON-DUCTED RECIRCULATION FILTERS

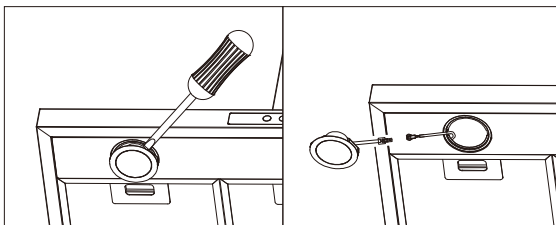
The non-ducted recirculation filters should be changed every 6 months. Replace more often if your cooking style generates extra grease, such as frying and wok cooking. Call our customer support line at 305-614-4070 to order replacement filters.

LED LIGHT

Replacement LED lights can be ordered by calling our customer support line at 305-614-4070.

Make sure the range hood is unplugged or turn OFF breaker.

1. Gently pull the defective bulb assembly straight out from the edge using a slotted screwdriver, and then disconnect the wires.
2. Connect the new LED bulb's wires and snap the new LED assembly into the housing hole.
3. Turn ON breaker/power and test the range hood for operation.



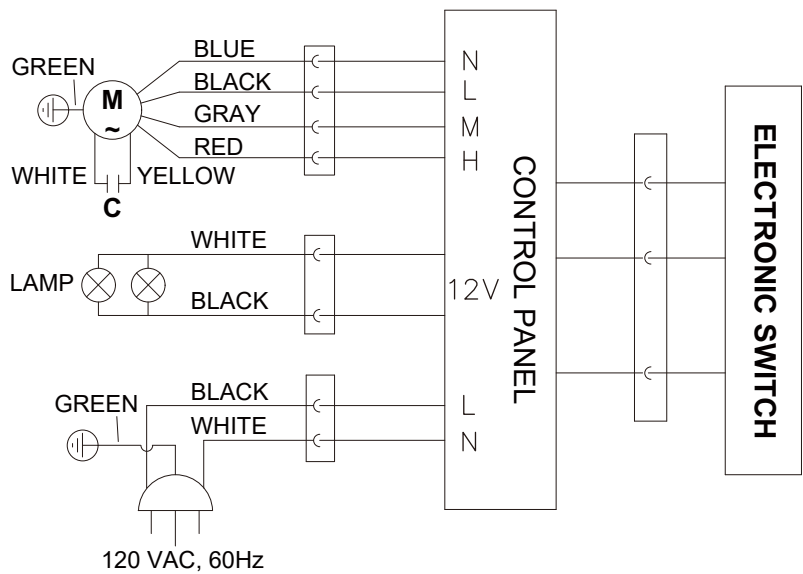
STAINLESS STEEL CLEANING

- 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.
- DON'T use any harsh or abrasive cleansers.
- DON'T allow dirt to accumulate.
- DON'T allow plaster dust or any other construction residues to reach the hood. During construction/renovation, cover the range hood to make sure no dust sticks to the stainless steel surface.
- DON'T use any cleaners that contain bleach, chloride, fluoride, iodide, bromide.
- DON'T use any combustible products for cleaning such as acetone, alcohol, ether, benzol, etc. .

TROUBLE SHOOTING

SYMPTOMS	POSSIBLE CAUSE	RECOMMENDED ACTIONS
Air is barely sucked in while the range hood is running.	The filter is clogged with grease.	Clean or replace the grease filter.
	The damper flaps can't be fully opened.	Remove the ductwork from the range hood and check the damper flaps.
	Too many elbows for the duct work or the duct work is too long.	Reduce the elbows to no more than 3 pieces. The length of the ductwork shouldn't be longer than 40'.
The range hood will not turn on.	Power is not adequately supplied.	Make sure your power supply is on.
The range hood is making a rattling noise.	The motor is loose.	Turn off the power and remove the filter and check that all screws are secure and tight around the motor.
	The duct work connection is loose.	Turn off the power to the unit and check that the ductwork connection to the outlet is tight. Add duct tape if necessary.
	Something is wrong with the damper.	Fix the damper. Replace it if needed.

CIRCUIT DIAGRAM



For further assistance, call Brunstag Customer Support at 305-614-4070.
www.BRUNSTAG.com



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