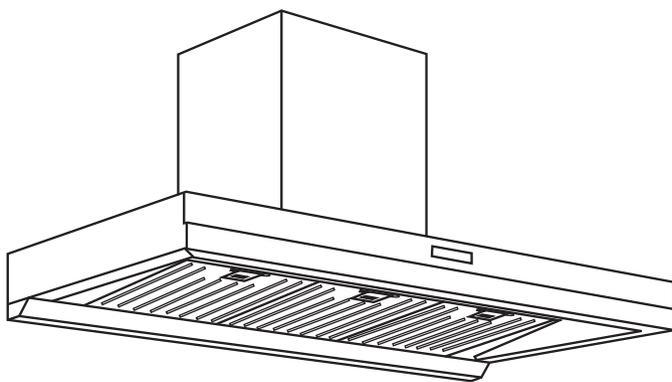
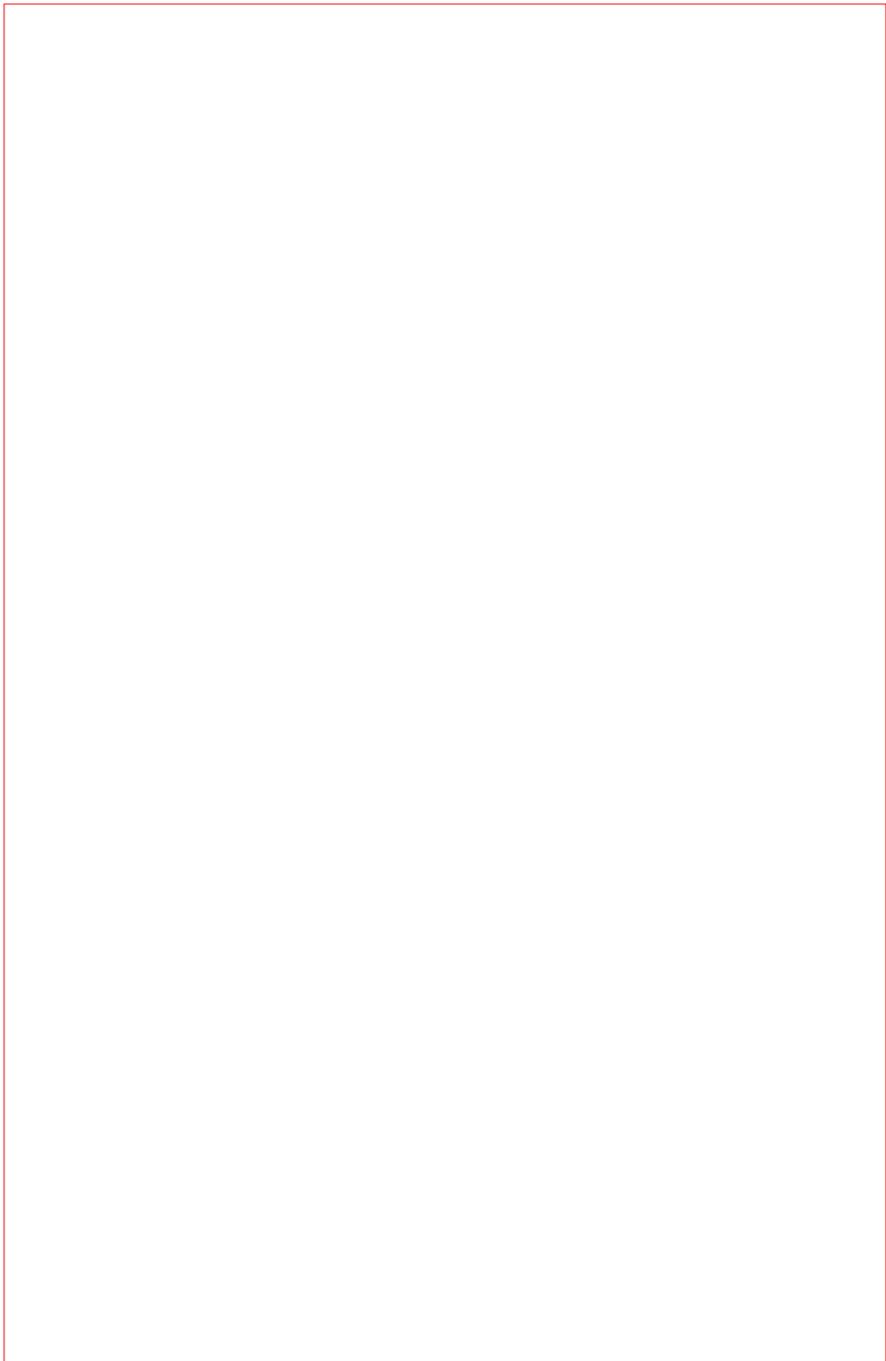


Tecno⁺

INSTALLATION USER MANUAL

TNP HD 90-N3 Black





READ AND SAVE THESE INSTRUCTIONS

CAUTION:

FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS OR VAPORS.

This appliance must be installed by a qualified technician. The manufacturer declines all responsibility in case of failure to adhere to safety standards.

Ensure that exhausted air not directed into flue that is uses for venting fumes from other appliances.

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.
2. Before servicing or cleaning the unit switch power off at service panel and lock service panel disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked securely fasten a prominent warning device to the service panel.
3. Installation work and electrical wiring must be done by qualified persons 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 of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards as published by the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring.
6. Ducted ventilation systems must always be vented to the outdoors.

CAUTION:

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, ceilings, attics, crawl spaces, or garages.

WARNING

TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCT WORK.

Install this hood in accordance with all requirements specified.

CONTENTS

CAUTION	1
SPECIFICATIONS	2
TOOLS NEEDED	3-4
INSTALLATION	5
WALL-MOUNTED RANGE HOOD INSTALLATION	6
OPERATION	7
TROUBLESHOOTING	8
MAINTENANCE	9-11
FQA	12

SPECIFICATIONS

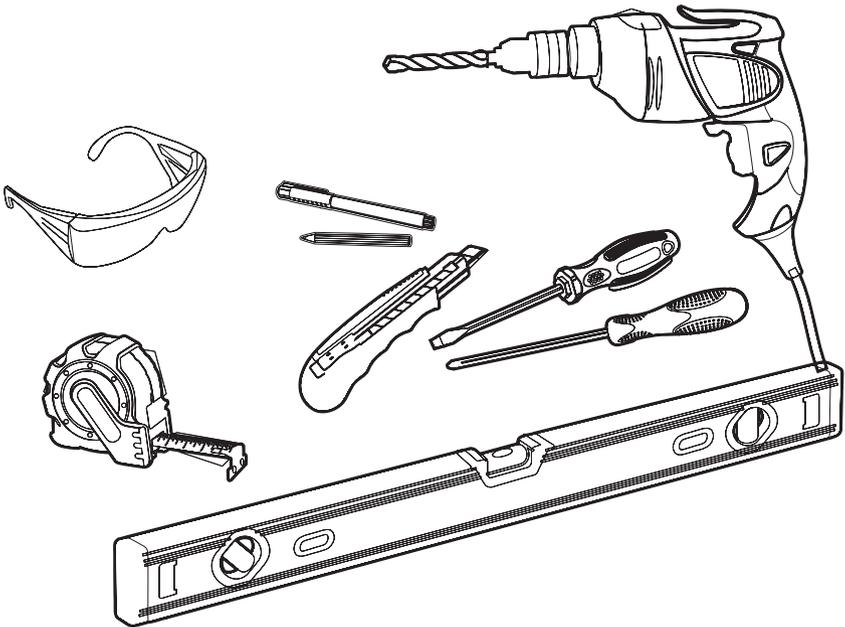
Power Rating	220-270V/50HZ
General Input Power	350W + 4W for LED Light
Motor Input Power	350W
Maximum Air Flow	1800 m ³ /hr
Noise Level	Lower than 75dB
Filtration Type	Metal Black Coating Filters
Venting Size	185 mm

TOOLS NEEDED TO INSTALL THE RANGE HOOD

- Security glasses
- Marker or pencil
- Utility knife
- Measuring tape
- Pair of long-nose pliers
- Sheet metal sheers
- Flat-blade and Phillips screwdrivers

OR

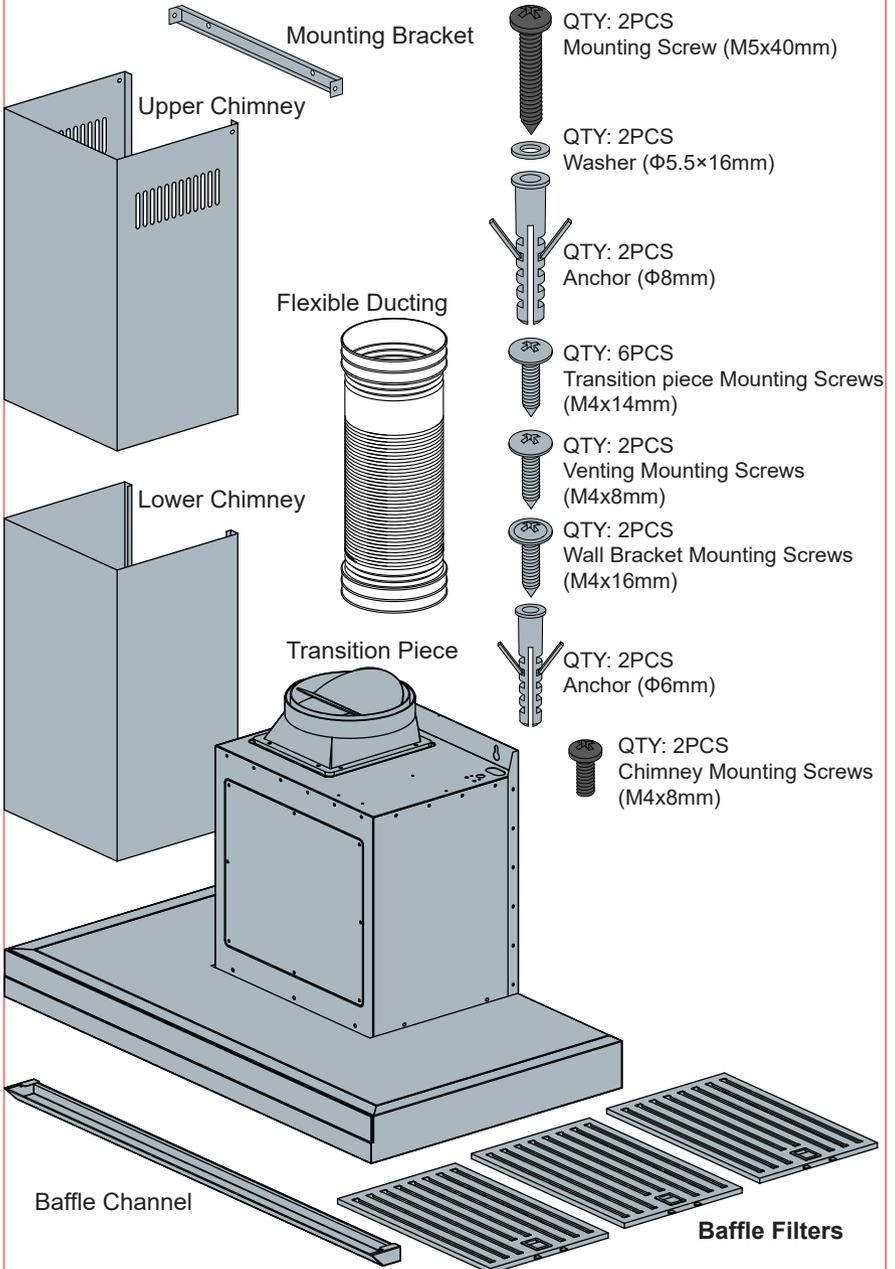
- Power screwdriver or drill(with flat & Phillips bits)



BEFORE INSTALLING THE HOOD

1. For the most efficient airflow exhaust use a straight run or as few elbows as possible. Vent unit to the outside only.
2. Two people are required for installation.

PARTS SUPPLIED

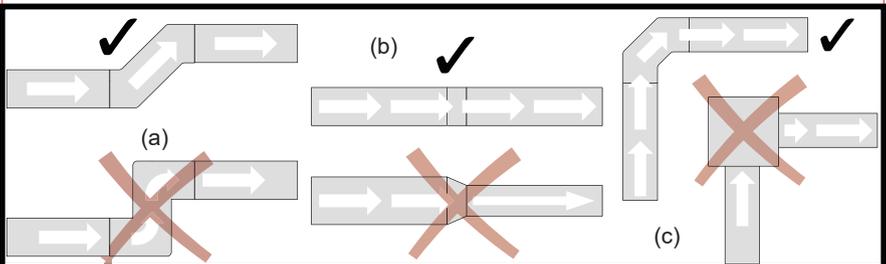


INSTALLATION

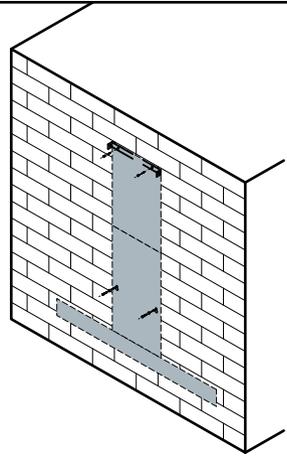
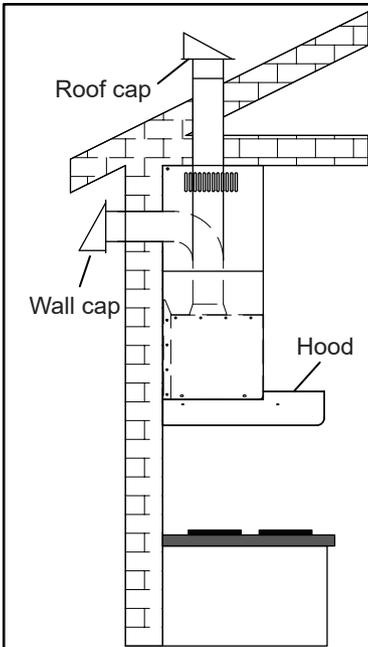
- The range hood should be mounted at a distance of 650-750mm from the cooking surface for safety & optimum performance (If the instructions for installation of the gas hob specify a greater distance, this has to be taken into account). That exhaust air must not be discharged into a flue which is used for exhausting fumes from other appliances burning gas or other fuels.
- This item should be fitted by a Competent person or fitter who should only use the right screw fixing where applies.
- Ensure that the ceiling to be mounted on is sufficiently sturdy to handle the weight of the hood.
- Check that the hood is level and that it does not vibrate excessively when in operation.
- Do not connect to a common vent with other appliance such as gas heater, water heater, laundry dryer etc.
- Check to make sure that the electric chord is not in contact with sharp edges of the appliance.
- Be sure that the plug is accessible after installation.

DO'S AND DON'TS FOR DUCT VENTING

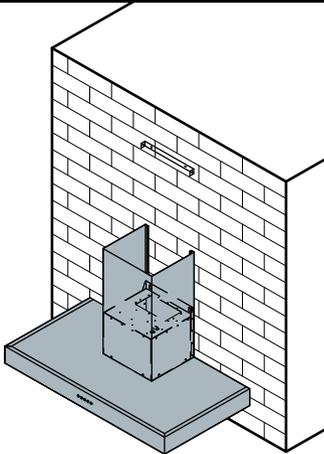
- a. Avoid the use of sharp elbows. Use 45 degrees instead, if possible.
- b. DO NOT use REDUCERS. Keep the size of the duct the same, as per the manual. A reducer will reduce the airflow of the hood and increase the noise.
- c. DO NOT use plenum boxes. Boxes create turbulence and make the hood inefficient. Use a smooth elbow to guide the air outdoors.



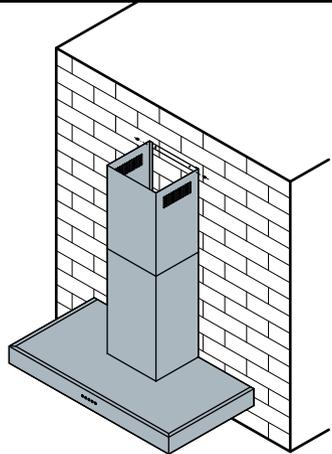
Installation drawing



- To install, drill 2 holes of $\text{Ø}8\text{mm}$ on a sturdy wall and in line with the hood.
- Insert expanded screws into the hole.
- Fix drilling template on the wall.

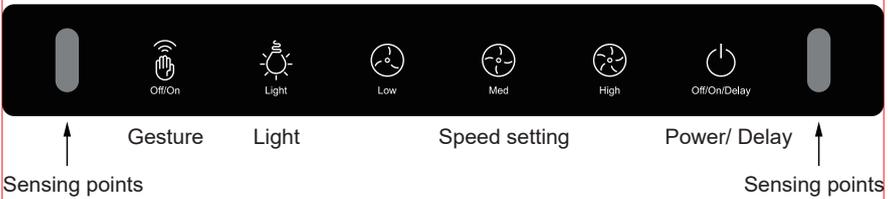


- Attach the duct to the one way valve, and connect it to the kitchen outlet vent.
- Insert the outer funnel (alternative part). Make sure it's firmed.



- Mount the bracket and insert the inner funnel. Use screws to fix it.

RANGE HOOD OPERATIONS (Digital Panel)



FUNCTION	OPERATION	INDICATE	REMARK
ON/OFF	<p>Method 1: Press Power  button to turn on the system, press  Power button once to turn off the system.</p> <p>Method 2: In the  Gesture on state, quickly wave your hands(left or right) to open the system.</p>	  When the switch is on/off, the speed and light buttons are on/off at the same time.	1. Switch factory default is med speed 2. Speed by default remember the last used setting.
SPEED	<p>Method 1: Press  Speed button to choose the speed.</p> <p>Method 2: In the  Gesture on state, from left to right to increase the fan speed; from right to left to reduce the fan speed.</p> <p>Method 3: When the motor is running, press  Speed button to turn off the current speed.</p>	 If the indicator is on, it indicates the current speed. If the indicator is off, it indicates that the fan is off.	Gesture by default remember the last used setting.
DELAY	When the motor is running, press  Power button to activate the delay off timer function (3 minutes).	 If the indicator blinks, the delay off timer function starts.	
DELAY	Press  Guesture button to turn on or off the gesture function.	 -The indicator is all on, it means the gesture function is on; -The indicator is dimmed, it means the gesture function is on normally under the shutdown state; -The indicator is off, it means the gesture function is off.	Gesture by default is turned on.
DELAY	Press  : Light button to turn on or off the,lighting function.	 -The indicator is on, it means the light function is on. -The indicator is off, it means the light function is off.	LED lights are individually controlled.

TROUBLESHOOTING

ISSUE	POSSIBLE CAUSE	SOLUTION
The blower or fan seems weak	A large amount of oil has accumulated on the baffle filter.	Clean or replace the baffle filters.
	Use the wrong duct size.	Use the right duct- 3-1/4x10" or 6" round type.
	The distance between the range hood and the stove is too far.	Adjust the distance between the range hood and the stove top
	The duct is clogged or if damper unit(half-circular flapper) is not installed correctly.	Clear the blockage of the duct. Install the flapper correctly.
Gesture invalid.	Gesture function is not turned on.	Turn on the Gesture function.
	The hand wave motion does not pass through two sensor points or the speed is too slow.	Please ensure that you move your hand in a horizontal motion over the sensing points, maintaining a distance no closer than 5.9 inches from the panel.
	The circuit board is malfunctioning	Contact the customer to replace a new carcuit board.
Range hood does not work.	Check that there is power to the range hood.	The most common issue is that the circuit breaker is off or the fuse has blown.
		Make sure the speed has been selected at the controls.
		Turn off the power and check that all wires are properly connected. Refer to your specific model's installation instructions for proper wiring.
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.	The ductwork connection to the pipe is tight. Add duct tape if necessary.
	The hood is not secured in place.	Check the installation of the hood.
	If it is stuck, it will sound like motor noise but it's really the damper.	Check whether the air outlet is blocked by foreign matter or air duct deformation, and the damper is opened normally.
The motor is working, the light is not on.	The light connector is not connected	Check whether the LED connector is connected
	Light out of order	Contact customer service to replace the lamp.
	The circuit or switch board is out of order.	Contact customer service to eplace the switch board or circuit board.
The lights cannot be	The circuit board is out of order off.	Contact customer service to

MAINTENANCE

SAFETY WARNING: Never put your hand into area housing the fan while the fan is operating!

For optimal operation, clean range hood and all baffle/spacer/filter/grease tunnel/oil container regularly. Regular care will help preserve the appearance of the range hood.

Cleaning Exterior surfaces

Clean periodically with hot soapy water and clean cotton cloth. Do not use corrosive or abrasive detergent (e.g. Comet . Power Scrub., EZ-Off. oven cleaner), or steel wool/scoring pads, which will scratch and damage the stainless steel surface. For heavier soil use liquid degrease such as "Formula 409." or "Fantastic." brand cleaner. If hood looks splotchy (stainless steel hood), use a stainless steel cleaner to clean the surface of the hood. Avoid getting . cleaning solution onto or into the control panel. Follow directions of the stainless steel cleaner.

CAUTION: Do not leave on too long as this may cause damage to hood finish. Use soft towel to wipe off the cleaning solution, gently rub off any stubborn spots. Use dry soft towel to dry the hood. After cleaning, you may use non abrasive stainless steel polish such as 3M. or ZEP., to polish and buff out the stainless luster and grain. Always scrub lightly, with clean cotton cloth, and with the grain.

DO NOT allow deposits to accumulate or remain on the hood.

DO NOT use ordinary steel wool or steel brushes. Small bits of steel may adhere to the surface and cause rusting.

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.

Cleaning Aluminum Grease Filter / Stainless Steel Filterless Grill

IMPORTANT: Drain oil from oil containers before oil and residue overflow!

The metal filters fitted by the factory are intended to filter out residue and grease from cooking. It need not be replaced on a regular basis but are required to be kept clean. Filters should be cleaned after every 30 hours of use. Remove and clean by hand or dishwasher. Spray "Formula 409 " or equivalent degreasing detergent and leave to soak if heavily soiled. Dry filters and re-install before using hood.

Replacing Filters

Should filters wear out due to age and prolonged use, please contact your local reseller for replacement filters.

Note: Also replace damaged filter that has punctured or broken mesh, bent or broken frame.

MAINTENANCE

REPLACING THE LED LIGHT BULBS

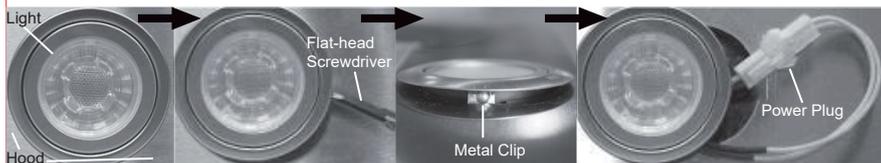
Cut the power supply by turning the hood off. Wait for the LED lamps to cool. To prevent damage or to avoid reducing the life of the new bulb, do not touch the bulb with your bare fingers. Replace the bulb by manipulating with a tissue paper or cotton gloves.

If the new lights do not work, ensure that each lamp is properly inserted into its socket before requesting the intervention of a service agent.

CAUTION: LED lamps can only be replaced with a new LED lamp. The lamp rating must be equal to the one already used. Make sure all the control switches are off and the hood is unplugged or that the breaker is OFF.

STEPS:

- This range hood uses LED light fixture: 2W Max 12V LED
- Make sure the range hood is unplugged or turn OFF the breaker. Make sure the lights are cool to touch.
- Place a flat - head screwdriver between the light housing and the hood body, gently pry up the light housing and search for the metal clip.
- Apply force to the metal clip and pull out the light fixture. Disconnect the power cable and discard the used light fixture.
- Reverse the steps to install a new LED light fixture. Turn the breaker or hood ON to test for operation.



FAQ

Can my hood be ductless?

It is better to duct your range hood to the outside, but if this is not possible, ductless/recirculating is an acceptable alternative.

Is the width of my range hoods description, the actual size?

No- the actual width of the range hood will be slightly less than the generic description of the range hood in order to better fit cabinet cutouts.

Why is my range hood white/blue?

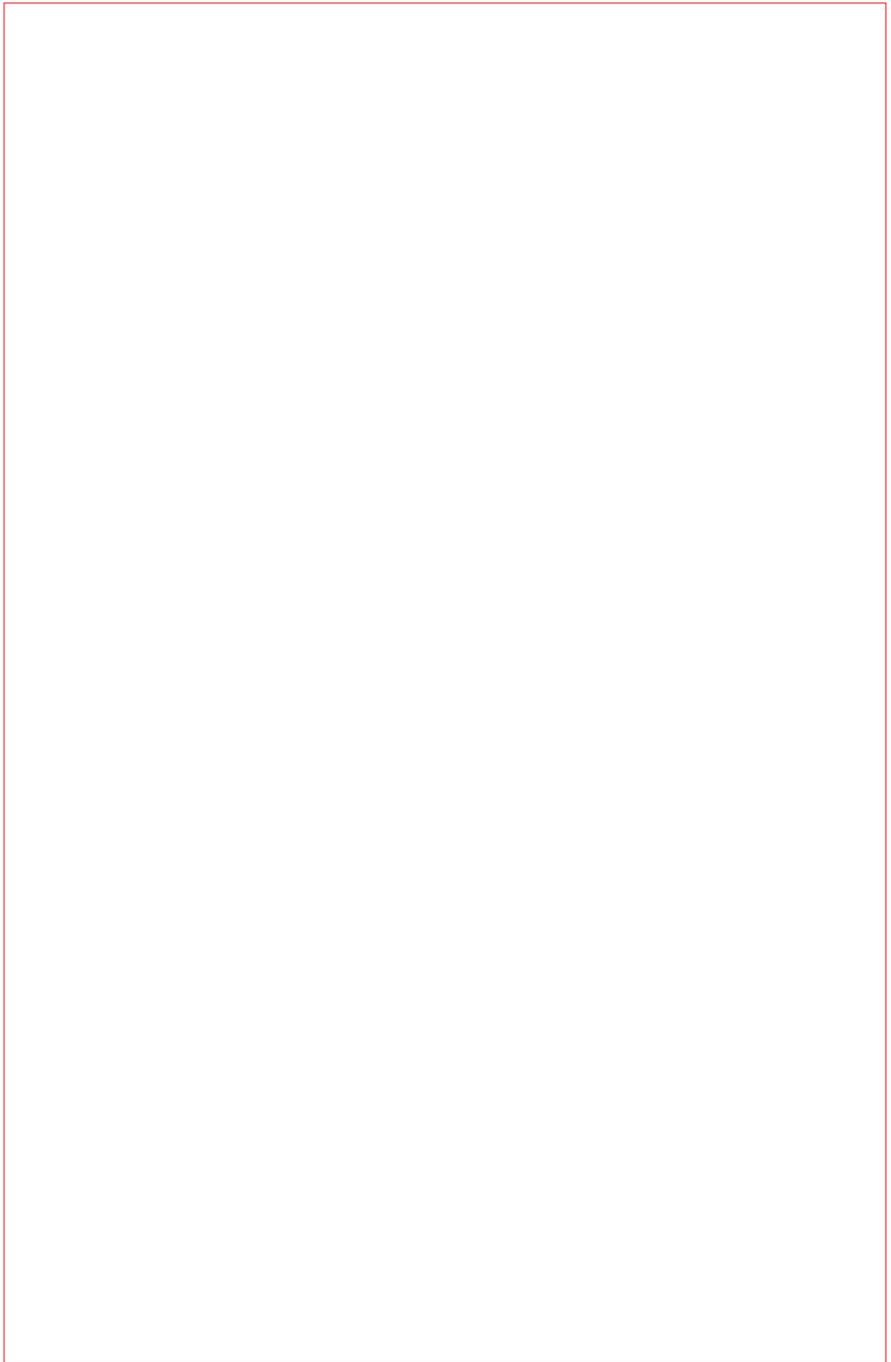
This is a protective layer that is placed on all range hoods to prevent shipping damage.

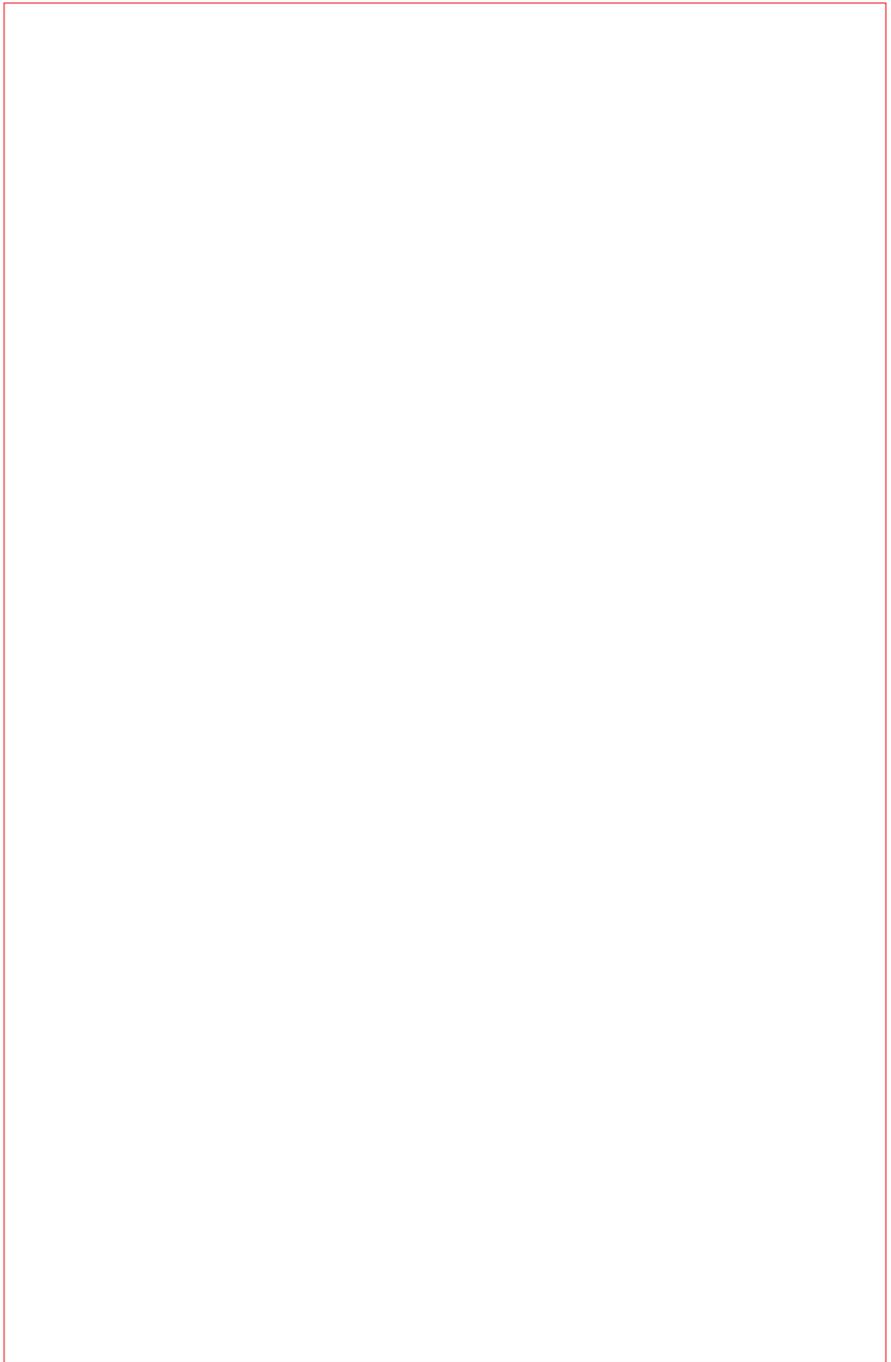
How do i clean my baffle filters and how often?

Your baffle filters should be washed with hot water and soap once per month or placed in a dishwasher for cleaning. Make sure filters are completely dry before reinstalling.

Can i clean my charcoal filter?

No - charcoal odor filter cannot be washed and must be discarded and replaced when they become noticeably dirty and/or have stopped filtering the odors. They should be replaced at least every 3-6 months.







The Signature Brand Co., Ltd.

771 Prachautis Rd., Samsennok, Huaykwang, Bangkok 10310 Tel. (66) 2 274 3434 (Automatic) www.sbo-brand.com