



SAKURA

Operating Instructions

RANGE HOOD

Read and save these instructions

Lire et conserver cette opération instructions.

F74-A388

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IMPORTANT

Do Not Return This Product To The Store If
you have a problem with this product, please contact
Cosmo Customer Support at

1-800-475-5473

DATED PROOF OF PURCHASE, MODEL #, AND SERIAL #
REQUIRED FOR WARRANTY SERVICE

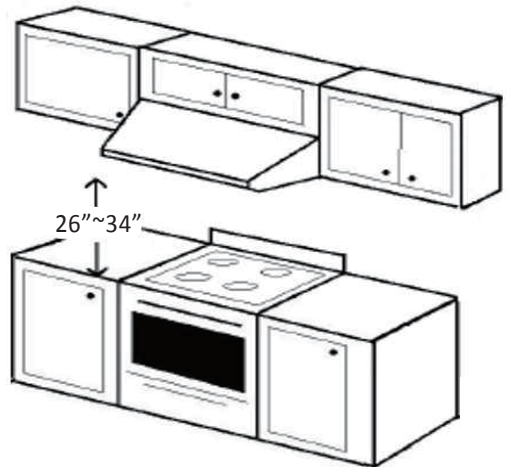
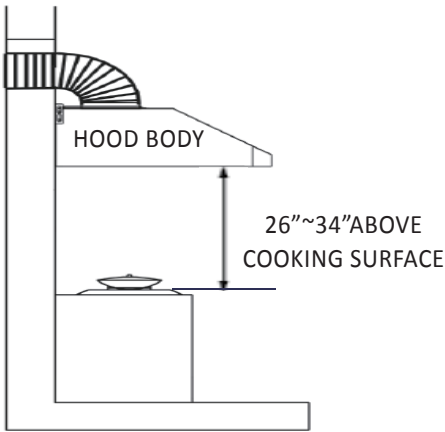
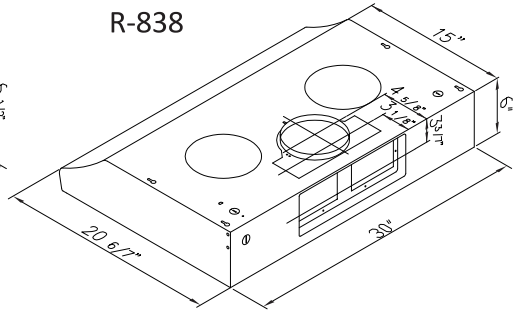
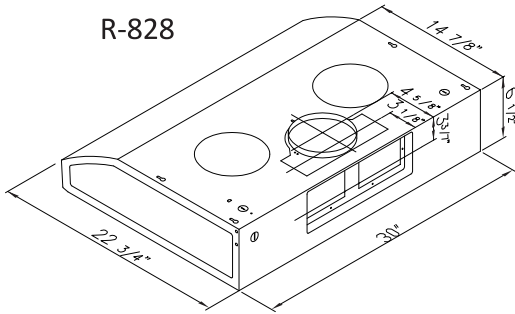
Product

1.1 Safety Notice:

IMPORTANT SAFETY INSTRUCTIONS "READ AND SAVE THESE INSTRUCTIONS" READ ALL INSTRUCTIONS BEFORE USING YOUR SAKURA RANGE HOOD

1. Make sure the main power is switched off before installing, wiring or maintenance.
2. Keep the range hood clean.
3. To get the best performance, the vertical distance between the cook-top and the range hood should be 26"~34".
4. Always keep the duct clear to have proper airflow.
5. Please read the specification label on the product for further information.
6. **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 or ceilings or into attics, crawl spaces, or garages.
7. **"CAUTION"**-For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors. Take care when using cleaning agents or detergents. Suitable for use in household cooking area. "
8. **WARNING** -To reduce the risk of fire or electric shock, Do not use this fan with any solid-state speed control device.
9. **WARNING** -To reduce the risk of fire. Electric shock, or injury to persons, observe the following:
 - a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
 - b) Before servicing or cleaning unit, turn 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.
 - c) 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.
 - d) Sufficient air is needed for proper combustion and exhaustion 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.
 - e) When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
 - f) Ducted fans must always be vented to the outdoors.
 - g) This product may have sharp edges. Be careful to avoid cuts and abrasions during installation or cleaning.
10. **WARNING**-To reduce the risk of a range top grease fire:
 - a) Clean ventilation fans frequently. Grease should not be allowed to accumulate on fan or filter.
 - b) Always turn hood on when cooking at high heat or when cooking flaming foods. (i.e. Crepes Suzette, Cherries jubilee, Peppercorn Beef Flambe.)
 - c) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite and spread if hood is used. Heat oils slowly on low or medium settings.
 - d) Don't leave your range unattended when cooking.
 - e) Use proper pan size. Always use cookware appropriate for the size of the surface element.
11. **WARNING**-To reduce the risk of injury to persons in the event of a range top grease fire, observe the following:
 - a) Smother flames with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner.
 - 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.
 - d) Use an extinguisher Only if :
 - 1) You know you have a Class ABC extinguisher, and you already know how to operate it.
 - 2) The fire is small and contained in the area where it started.
 - 3) The fire department is being called.
 - 4) You can fight the fire with your back to an exit.
12. **WARNING**-To reduce the risk of fire, use only metal ductwork.
13. Do not install less than 26 inches above cooking surface.
14. A replacement SBCFL lamp be type that complies with UL 1993.

1.2 Measurement



The distance from the countertop of the gas stove to the top board of the range hood shall not be less than 26" and shall not be more than 34".

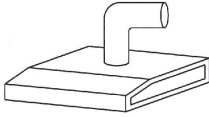
Sakura Range hoods are available in round or rectangular vent which can be connected to either round or rectangular exhaust duct. Please check your exhaust duct and the vent of your existing range hood (if you have one) to see which one is most suitable your situation in the following:

(1) Not have exhaust duct:

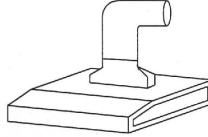
If you do not have an exhaust duct going outside your home, please hire a professional to install one for you.

(2)Round exhaust duct:

A. Round vent - round exhaust duct

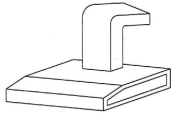


B. Rectangular vent - transition from rectangular to round exhaust duct

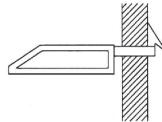


(3)Rectangular exhaust duct:

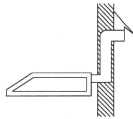
C. Rectangular vent - rectangular exhaust duct (vertical vent)



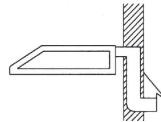
D. Rectangular vent - rectangular exhaust duct (Horizontal vent)



E. Rectangular vent - rectangular exhaust duct (Horizontal vent)



F. Rectangular vent - rectangular exhaust duct (Horizontal vent)



Explanatory Notes on Figures A to F:

A. Round vent - round exhaust duct:

In this case, installation is the easiest and exhaust performance is the best. Please measure the circumference of the exhaust duct with a rope:

If the circumference is 32 cm, the diameter of the exhaust duct will be 4",

If the circumference is 40 cm, the diameter of the exhaust duct will be 5",

If the circumference is 48 cm, the diameter of the exhaust duct will be 6",

If the circumference is 56 cm, the diameter of the exhaust duct will be 7".

The diameter of exhaust venting is 6". If your exhaust duct is not 6" diameter, you have to buy an adaptor for transition. Please note that if your exhaust duct is 4" or smaller the performance will be greatly affected.

B. Rectangular vent - transition from rectangular to round exhaust duct:

Check whether the rectangular-to-round connecting duct is still usable. If not, we suggest that you consider using round vent and follow the procedures mentioned in A.

C. Rectangular vent - rectangular exhaust duct (vertical vent):

In this case, no need a adaptor for transition. However, it is not easy to connect the rectangular vent with a rectangular exhaust duct. We suggest that you ask a professional to do the installation for you.

















D.E.F. Rectangular vent - rectangular exhaust duct (horizontal vent)

If your exhaust duct is similar to those in figures D,E,F, make sure that you use the range Hood with a horizontal vent type, not a vertical vent type. As the installation will not be easy, we suggest that you hire a professional to do the installation for you.

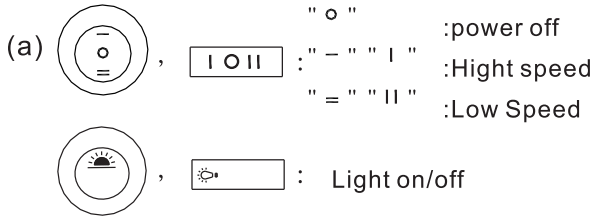
1.3 Specification

Model	R-828	R-838
Dimension	30"	30"
Material	Stainless Steel	Stainless Steel
Voltage	120V~ /60Hz	120V~ /60Hz
Control Mode	Rocker Switch	Rocker Switch
Speed	2 Speeds	2 Speeds
Motor Type	AC Motor	AC Motor
Motor Consumption	178W	178W
Diameter	6"	6"
Illumination	CFL	LED
Certificate	CUS	CUS
THERMALLY PROTECTED		

■ List of accessories

Figure	Parts name	Q'ty	Figure	Parts name	Q'ty
	Complete Appliance	1		Smoke cover (R-838 only)	1
	Rectangular damper	1		Lamp bulb tongs (R-383 only)	1
	Oil cup	2		Screw on wire connector(P3)	2
	User manual	1		Screw (Ø4 * 10L)	6
	Warranty card	1		Wood screw (No.8 * 5/8L)	6
	Oil collector (R-838 only)	2		Flat washer (Ø1/4 * Ø19 * 1.2t)	4
	Mesh filter (R-838 only)	6		Terminal (4.3R)	1
	Vane guard (R-838 only)	2		Installation paper template	1

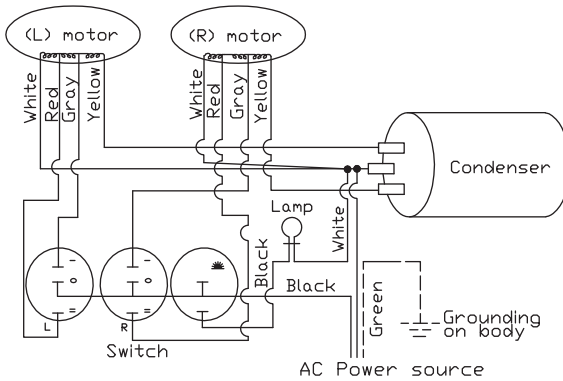
■ Operation



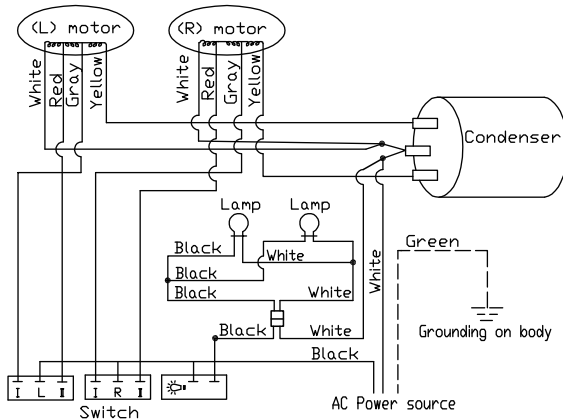
- (b) Turn on the light switch and operates the two motors by turning on either the left or the right or both motor switches.
 (c) If the vanes are buzzing or not working, please turn off the power immediately and try to find out the problem.

■ Circuit Diagram

R-828

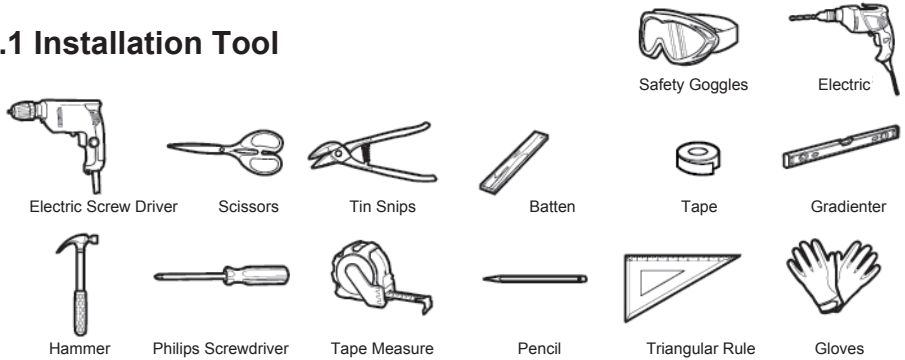


R-838



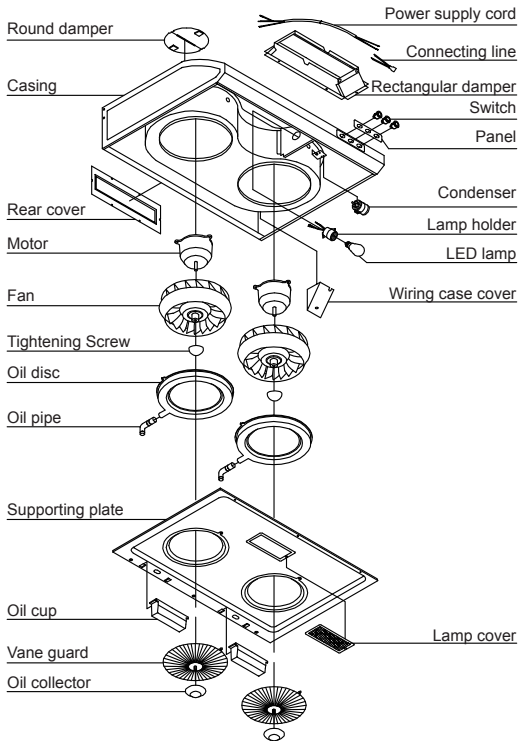
2. Installation

2.1 Installation Tool

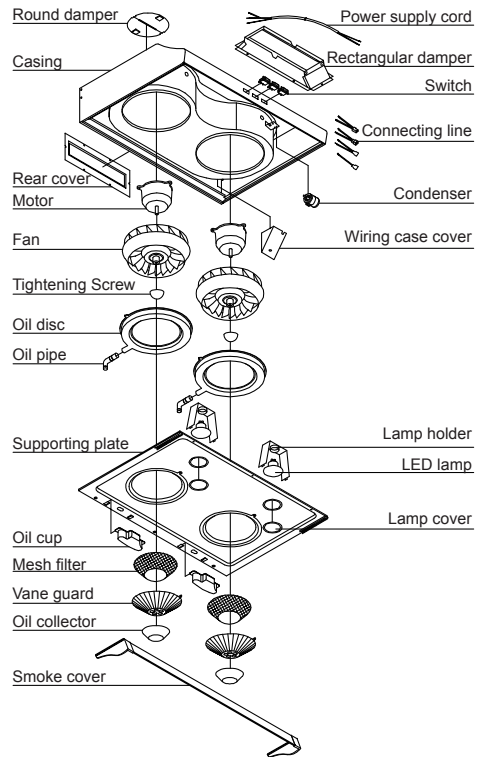


2.2 Component Name Diagram

R-828



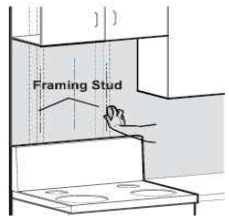
R-838



2.3 Installation Procedure

Step 1:

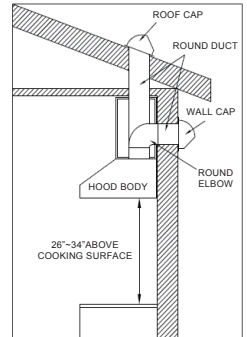
Locate the wooden beam and mark the location with a pencil.
(or use Installation paper template)



Step 2:

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.

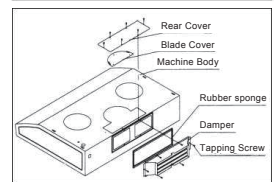
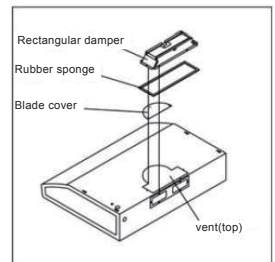


Step 3:

Available in two different exhaust vents:

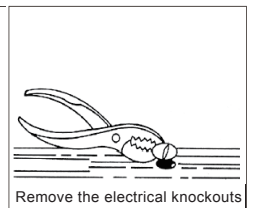
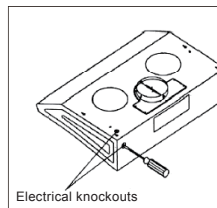
Refer to the content of that 1.2 Measurement.

- (1) For round vent (the standard type), please connect the 6" exhaust duct to the round vent off the machine.
- (2) For rectangular vent on the top, please:
 - (a) Strike out the rectangular steel plate from the vent(top) with a hammer and a slot head screwdriver.
 - (b) Put on the rectangular damper and screw it onto the vent (top) with $\text{Ø}4 \times 10\text{L}$ screws.
- (3) For rectangular vent in the rear, please:
 - (a) Take out the rectangular steel plate in the rear.
 - (b) Put on the rectangular damper and screw it onto the back with $\text{Ø}4 \times 10\text{L}$ screws.



Step 4:

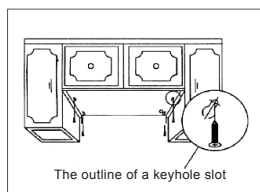
Remove the top or the rear electrical knockout according to the input of the power cable.
Loosen the knockout with a screwdriver and use pliers to pull out the loosened knockout.



Step 5:

On the bottom of the cabinet, mark the center position of the narrower ends of the four keyholes on the top of the range hood. Screw the four 5/8" - long wood screws (No.8) on the cabinet loosely.

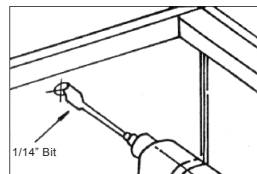
On the bottom of the cabinet, cut the exhaust vent with suitable tools.



Fasten screws to the bottom of the cabinet

Step 6:

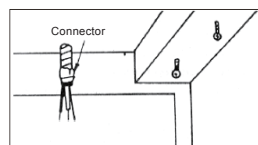
On the cabinet, mark the position of the access hole through which the power supply cord will go. Drill the access hole with a 1-1/4" screwdriver.



Drill an access hole for electrical power line

Step 7:

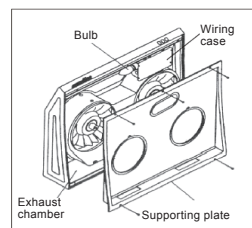
Take the power supply cord through the access hole drilled on the cabinet.



Take the power supply cord through the access hole.

Step 8:

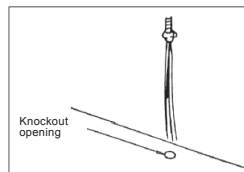
Loosen the screws on the supporting plate with a philips screwdriver.



Exhaust chamber

Step 9:

Locate the range hood on the bottom of the cabinet. Thread the power supply cord through the knockout and secure the power cord on the hood.

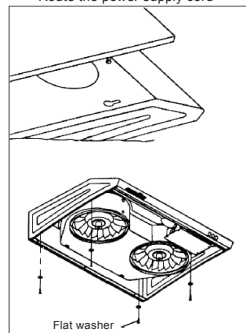


Route the power supply cord

Step 10:

Fit the four wider ends of the keyholes into the four screws on the cabinet, then adjust the hood till the screws are pushed into the narrow part of keyhole slots. Loose every screws and increase flat washers to screw on together. (Don't screw on too tightly.)

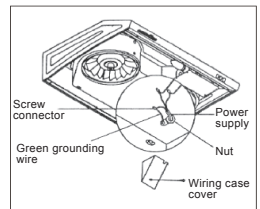
Adjust the location of the hood on the cabinet, then tighten the screws. Make sure the hood is attached to the cabinet firmly.



Fit the keyhole slots over the screws

Step 11:

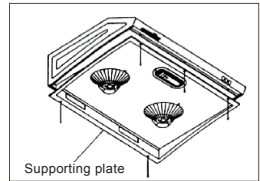
Connect the leading wires and power supply cord (refer to the circuit diagram on page 7 in this instructions.)



Wire the power supply cord

Step 12:

Replace the wiring case cover and the supporting plate.

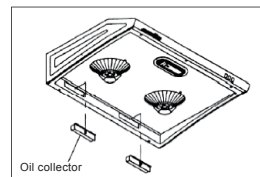


Fix the supporting plate

Step 13:

Please the two rectangular oil collectors as shown.


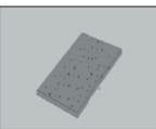
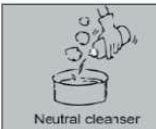

Seal the joint(s) connecting the vent and the exhaust duct with heat resistant tape to prevent air from leaking.



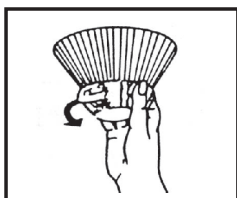
Hang up the oil collectors

3.Maintenance

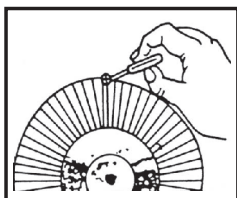
3.1 Clean and Maintenance

	1. All electric parts, include motor, switch, etc. should be away from water.		2. Please don't clean the surface with rough material like steel wire ball, brush or coarse cloth, etc. It will greatly scratch the surface.
 Neutral cleanser	3. Please don't clean with gasoline, acidic substance, benzene, solvent and other chemical agents. If you need to clean, please use neutral cleanser, and wipe dry the appliance surface by soft cloth after cleaning.	 Wet cloth	4. If the stainless steel panel is stained with salty liquor, disinfectant, bleaching powder and other cleanser, please wipe it by wet cloth at once and dry it by dry cloth.

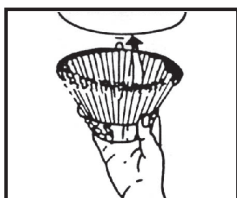
■ Removing filter set



1. To remove the vane guard, just loosen the setting screw with cross-head screwdriver and take off the vane guards, the vane guards is washable.



2. When installing the vane guard, place one ear of the guard in the rear hole of the supporting plate, then match the other ear with the groove on the other side of plate. Use cross-head screwdriver to screw the van guard on the plate.



3. This machine can also be used as a ventilator to enhance indoor air circulation.

3.2 Trouble Shooting

Issue	Cause	Solution
On/off out of order	1. Electricity problem	1. Check electricity supply
	2. Switch wire or power wire disconnected or broken	2. Reconnect or change switch wire or power wire
	3. Control PCB (switch) or power PCB broken	3. Change control PCB (switch) or power PCB
On/off flashing	1. Fan stuck	1. Check fan
	2. Power wire short circuit or broken	2. Change power wire
LED out of order	1. LED broken.	1. Change LED.
	2. LED loose.	2. Tighten LED.
Motor out of order	1. Motor overheated.	1. Touch on/off to switch off the hood for 30 min.
	2. Motor broken.	2. Change motor.
Exhaust problem	1. The hood might be hanging to high from the cook top.	1. Adjust the distance between the cook top and the bottom of the hood within 26" and 34" range.
	2. The wind from the opened windows or opened doors in the surrounding area are affecting the ventilation of the hood.	2. Close all the windows and doors to eliminate the outside wind flow.
	3. Blocking in the duct opening or duct work.	3. Remove all the blocking from the duct work or duct opening.
	4. The direction of the duct opening is against the wind.	4. Adjust the duct opening direction.
	5. Using the wrong size of ducting.	5. Change the ducting to at least 8" or higher.
Vibration	1. Motor is not fastened well.	1. Tighten the motor in place.
	2. Fan blade damaged.	2. Change Fan blade.
	3. Hood is not installed tightly.	3. Check the installation of the hood.
Metal filter is vibrating.	1. Spring clip is broke.	1. Change the spring clip.
Range hood can't work, light can't light on	1. Haven't connected with power supply.	1. Check whether the plug is well inserted or not.
		2. Check whether there is electricity or not in the plug.
Noisy	1. Exhaust pipe surface is distorted.	1. Reinstall exhaust pipe (done by professional people).