

FOTILE

RANGE HOOD

User Manual | EMS9021-R

Please read carefully about the user manual before using the product.
And keep it well after reading, for future reference.

Honorable guest, thank you for your choice of FOTILE products. Please read through the manual to be familiar with the correct operation norms and enjoy the cooking.

FOTILE promise is, make our home better. It is our duty to let you satisfy with FOTILE products. Please read the user manual carefully before using it, and operate it complying with the manual requests. The manual description is important to keep the product a good working condition. And you will lose the free warranty right if the product is failed to use due to your improper use, thus any direct or indirect free warranty certificate will be rejected by FOTILE authorized service center. Meanwhile, we suggest you contact FOTILE service center when the product need to be repaired no matter within or exceed the warranty period. FOTILE star-level service goal is to make customers fully satisfied by our tireless efforts.

CONTENTS

Warning and Safety Instructions	1
Usage	4
Operation Instruction	4
Cleaning and Maintenance	5
Replacement and operation process of Carbon filter component	7
Normal Malfunction and Trouble Shooting	8
Installation	8
Packing List	8
Installation Methods	9
Installation Suggestions	10
Installation Steps	12
Debugging	14
Main Technical Specifications	14
Product Basic Conditions	15
Component Name Diagram	16

Warning and Safety Instructions





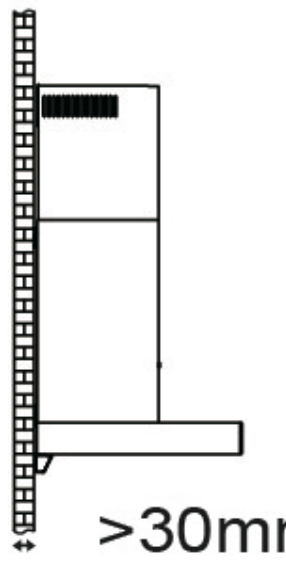
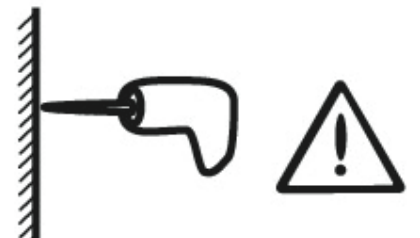
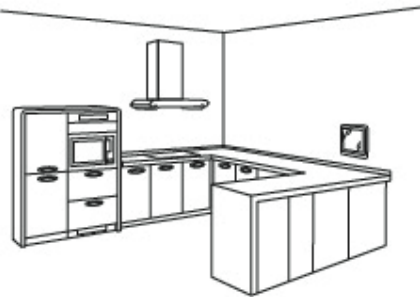
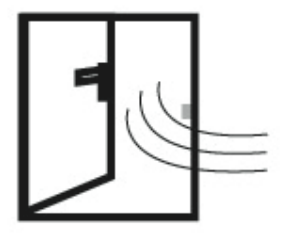
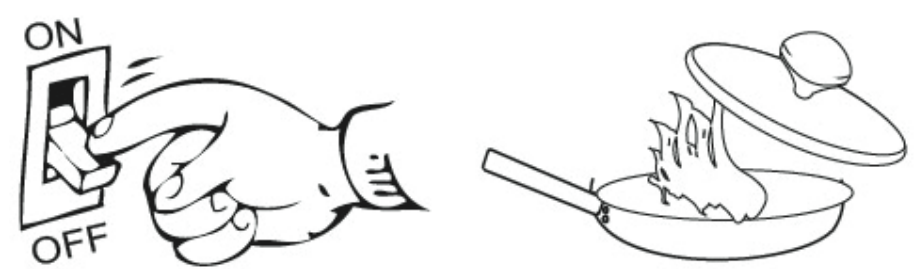
Special version:

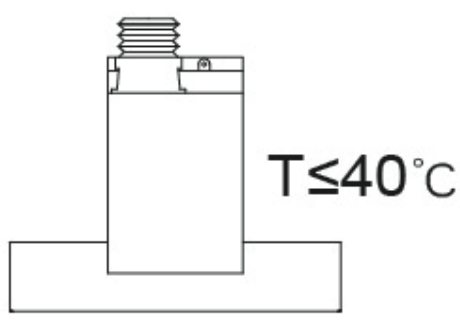

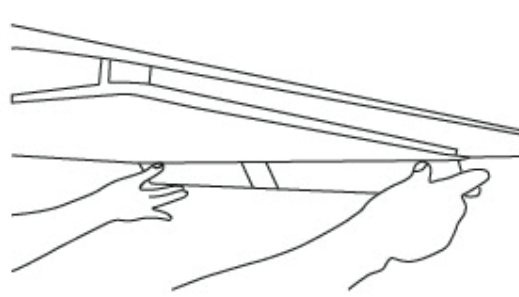
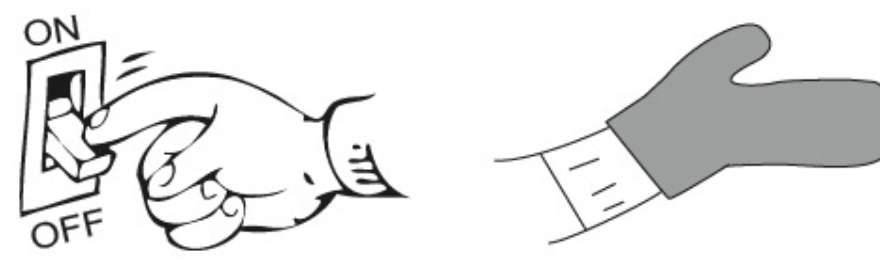

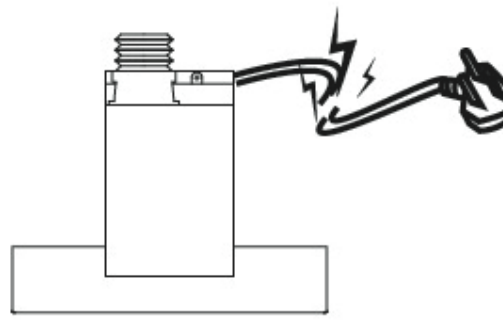



Please properly use the appliance, strictly complying with the user manual. FOTILE company will not bear responsibility for property loss and personal injury due to improper use.

Warning:

It may cause people danger, serious injury or fire, if you ignore the following contents and improperly operate.

Strictly execute

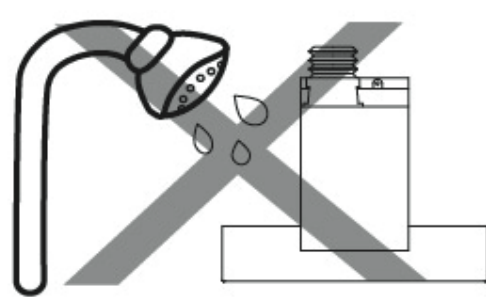
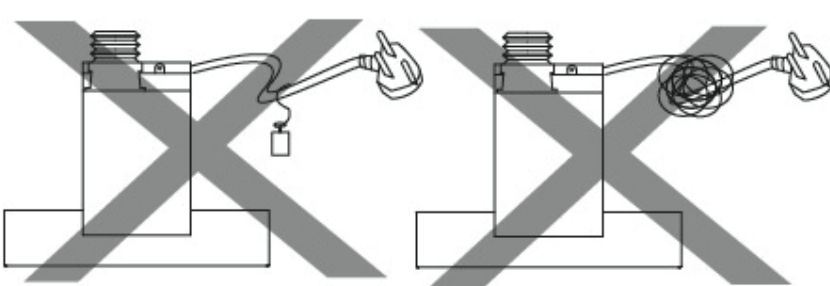


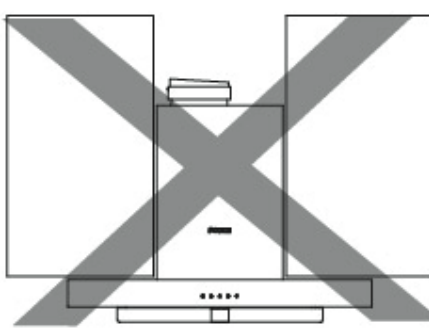
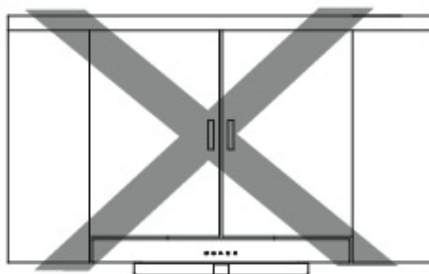

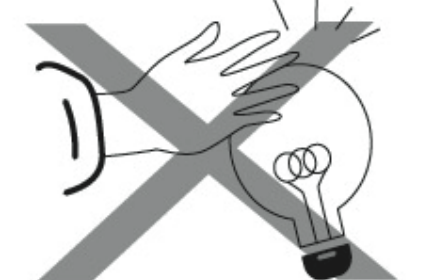
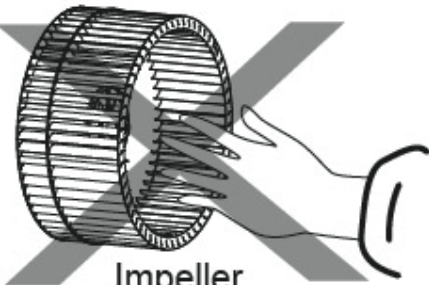


 Ground Connection	The plug should be connected with reliable ground wire to ensure safety. The ground wire should not be connected with gas pipe, tap water pipe, lightening rod and telephone line. Bad ground connection may cause electric shock or other accidents.
	Ensure the safe and well installation. It should be operated by professional people, otherwise, it may cause electric shock, ecclasis, fire and other dangerous.
	If the new range hood is damaged obviously before using, please don't install and contact FOTILE service center soon.
	Please comply with the safety guideline provided by the heating equipment manufacturer priorly and safety regulations published by the fire authority simultaneously.
 >30mm	The wall should be strong enough to support the range hood. As for hollow wall or hollow plate, the thickness of its solid part should be no less than 30mm. As for concrete wall, the installation can be directly operated. The range hood should be firmly fixed on the wall.
	When drilling on the roof or ceiling, please make sure not damage the electric wires and any other hidden devices.
	The range hood is for family use only, and don't use it in special environment (e.g. outdoor), and it also can't be used to exhaust dangerous or explosive substance or gas.
	The room should be well ventilated when the range hood and gas stove are used at the same time.
	When the cooking pots catch fire, turn off the range hood immediately (It will stimulate the fire if the range hood is working). Effective fire extinguishing measures must be taken at once, such as covering the open flame with metal cover, turning off the general gas valve and keeping flammable substance away from the open flame, etc.

 $T \leq 40^{\circ}\text{C}$	The ambient temperature at work should not be more than 40°C .
	Please clean the range hood according to the user manual, otherwise, it may catch fire or cause other dangers.
	Please clean the oil cup timely to avoid overflowing when the oil reaches the very scale in the oil cup. Please don't use the waste oil.
	Before install, clean or repair the range hood, please make sure cut off the power to avoid the electric shock. And wear protective gloves to avoid your hands being hurt by range hood metal panel.
	Cut off the power if you are not going to use range hood for a long time.
	When the power cord is damaged, please contact FOTILE service center to replace it.
	If there is abnormality, please turn off the range hood and cut off the main power supply, contact FOTILE service center to repair it. It will easily cause dangers like electric shock, fire, if the range hood still working under abnormal conditions.
	Please don't let children use range hood by themselves and don't place it where infants can touch, otherwise, it will cause burning injury, electric shock or other accidents.
	Please keep the product plastic package away from the infants, to avoid suffocation, etc.



The glass used in FOTILE products is tempered glass, and the tempering mechanism of glass decides that there is extremely small probability for tempered glass self explosion. Once it happens self explosion not due to improper use, we promise to replace the tempered glass free.

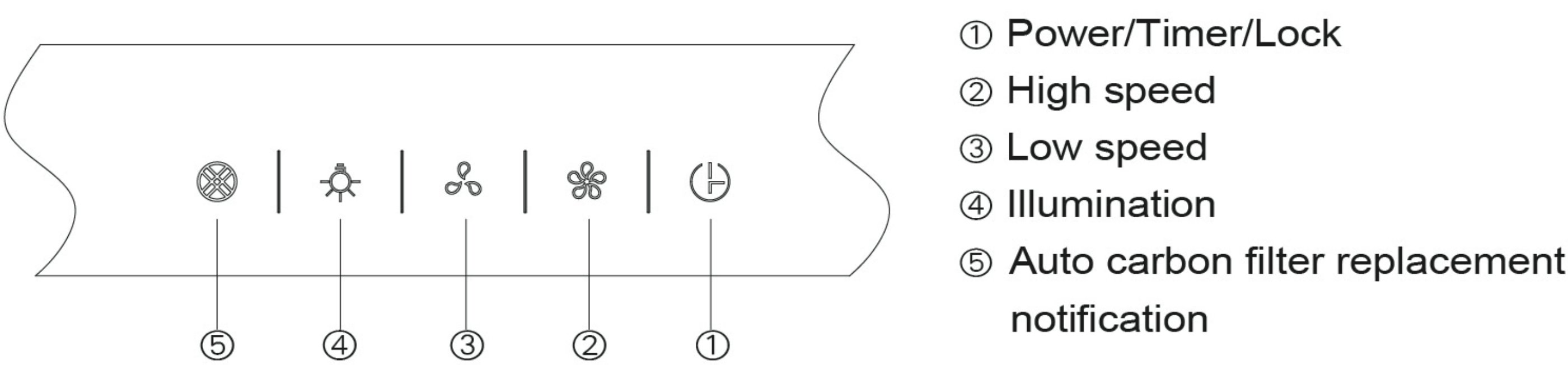
⚠ Forbidden

	Please clean the range hood according to the user manual, otherwise, it may catch fire or cause other dangers.
	Don't transform, stretch, tie, ballast or extrude the power cord, or it may cause electric shock or fire.
	Don't change the internal wiring by yourself, otherwise, it will cause possible abnormality and personal injury; and the improper repair leads to electric shock, fire or other dangers.
	Do not contact the range hood by open fire.
	Cabinet at both sides cannot be closely placed beside the motor cover of range hood.
	Do not enclose the range hood in the cabinet.
	Don't let the stove working without pot otherwise it will damage the above range hood.
	Don't touch the bulb that is still working or finish working for a short while, to avoid scalding.
	Don't put your hands or other things into impeller when it is working to avoid hurting.
	All electrical parts including motor, switch and connections, etc. should be away from water. Don't rinse range hood directly with water. Don't use the range hood when it is wet to prevent electric shock.
	Never touch the power plug, power switch or other electric parts with wet hand, otherwise, it may cause electric shock.

Usage

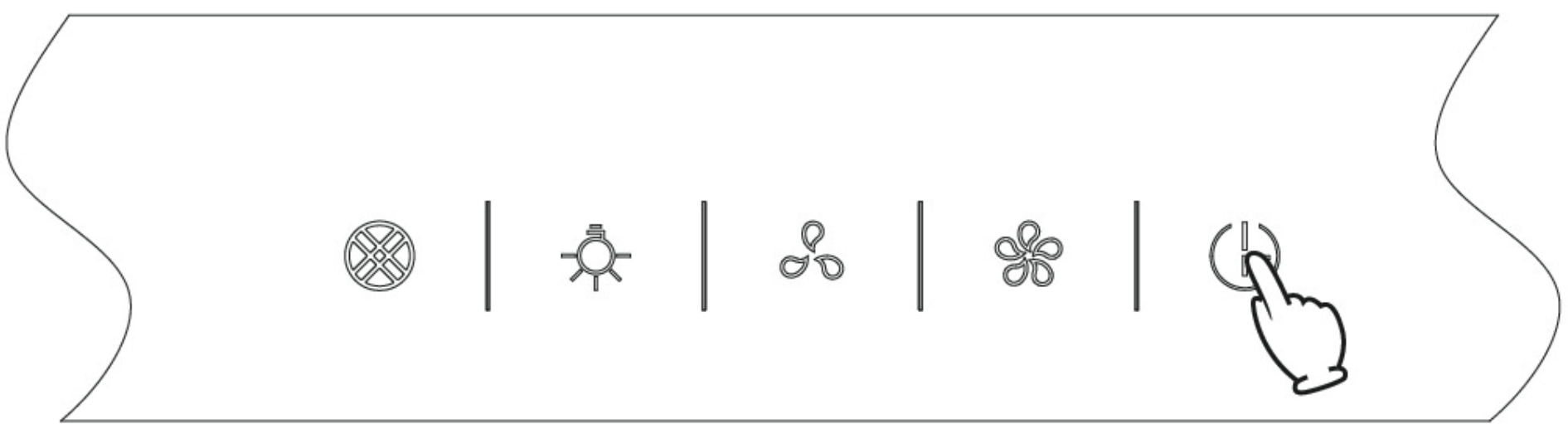
■ Firstly, let's be familiar with the range hood control interface.

Control panel of EMS9021-R






Operation Instruction

■  Power/Timer/Lock

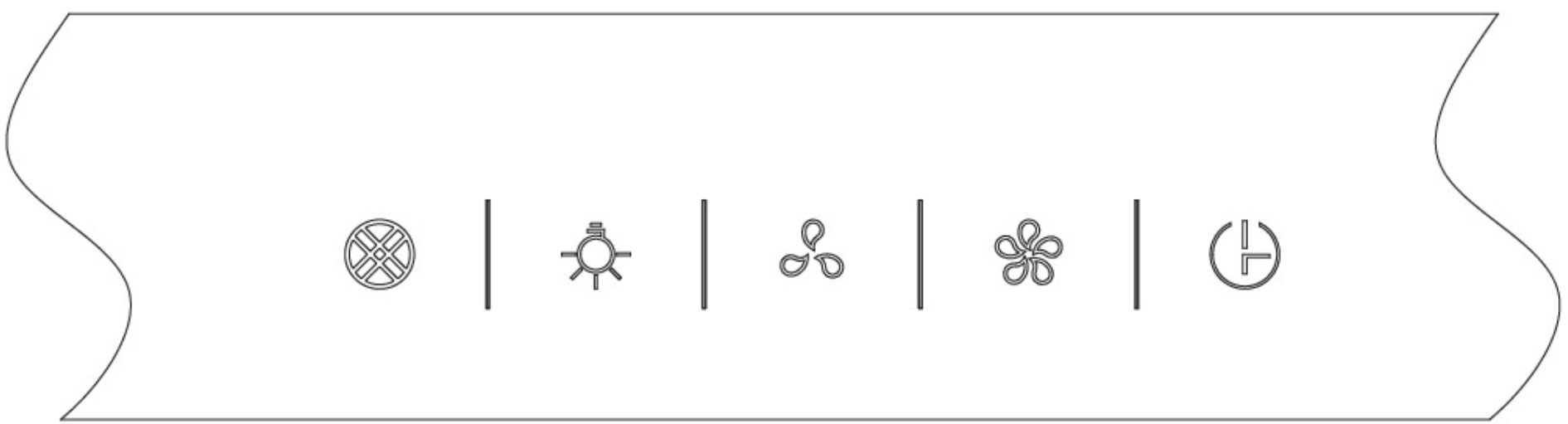





If you want to turn on the rangehood , please press the key, the rangehood is on standby, then you can press another key. If you don't have any operation on standby, it will be turned off automatically.




If you press the key when the rangehood is working, it also will be turned off automatically after 2 minutes, and the light indicator will be flashing.

During off state, Press the “” key at least with 5 seconds, the ranghood beeps once, the “” key flashes on, all keys will be locked, and clicks invalid; then press “” at least with 5 seconds, the screenlock function is canceled and resume.

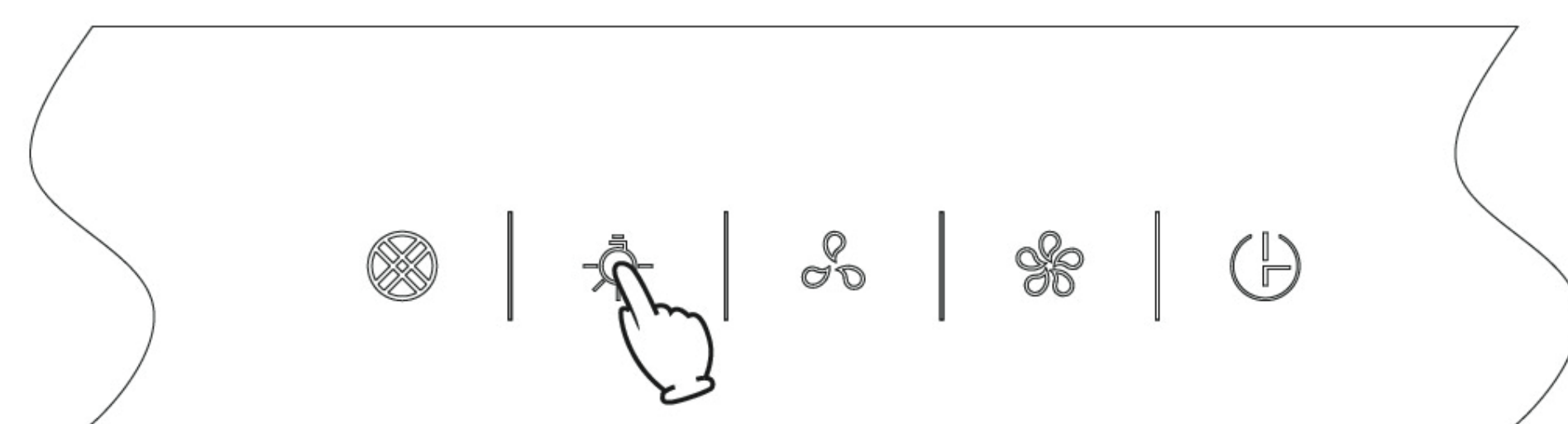
■ Suction Function



 : You press the “” key, the light indicator will show “on”, the relevant working condition is “strong power”. Press the “” key again, the light indicator will show “off”, the relevant working condition is “off”.

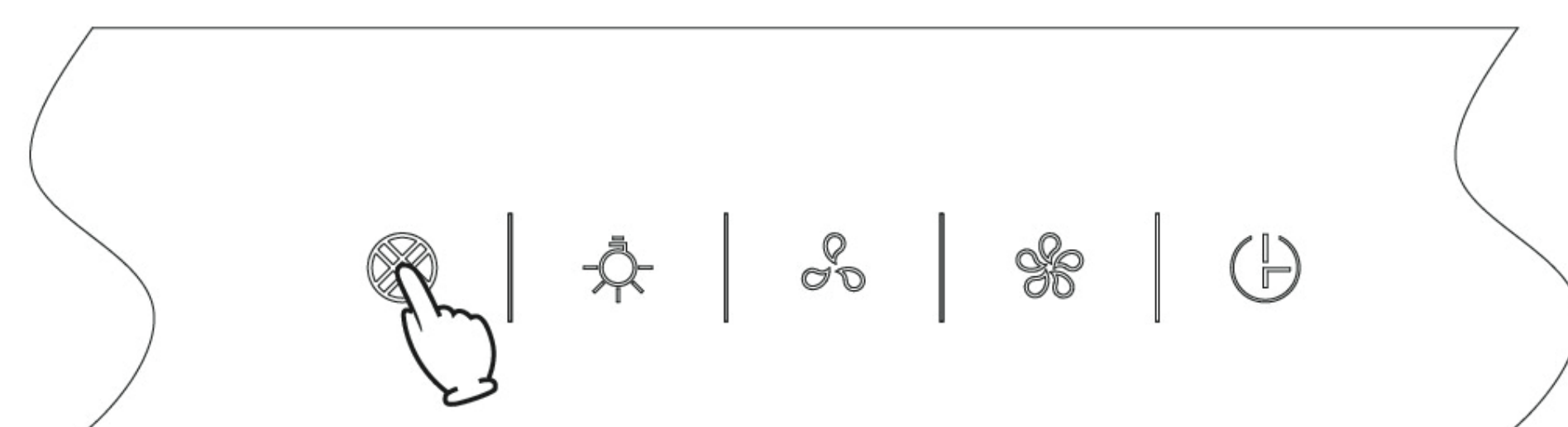
 : You press the “” key, the light indicator will show “on”, the relevant working condition is “weak power”. Press the “” key again, the light indicator will show “off”, the relevant working condition is “off”.



■ Illumination Function



Press the “” key, the light is turned on, and press the key again, the light is off.

■ Remind replacement of cleaning mesh



When the light of the key “” is on and flash, it means the Carbon filter component of the range hood needs replacing. Refer to the “replacement and operation process of Carbon filter component” listed below for the detailed replacement process. After replacement, long press the “” key until it turns off with a plink, which means the whole replacement procedure has ended.

Cleaning and Maintenance

⚠ Warning:

1. The range hood is at the risk of catching fire if not cleaned according to the instructions in the specification.
2. Before cleaning and repairing the range hood, be sure to pull off the power line plug to avoid electric shock.
3. In the process of cleaning, it is necessary to prevent the electrical machine, the control keys and other electrical components from watering.
4. When the draught fan is in use, be sure to keep hands away from the operating area of the draught fan.
5. Do not clean the range hood with gasoline, acidoid, benzene, solvent and other chemical agents.

To ensure using the product more comfortably, please clean the surface, the sphenoidal plate, the plain net component and the oil cup frequently, which will contribute to the normal function of the range hood.

■ Cleaning of the range hood surface

⚠ Warning: To prevent the machine surface from being scratched, do not clean the exhaust fume collecting hood, the sphenoidal plate, the outer cover of the range hood and the trim cover with scouring ball, brush, scouring pad, coarse cloth and other dietary fibres.

1. The range hood can only be cleaned with neutral soap or neutral detergent. After cleaning, wipe dry the machine surface with soft cloth.

2. If there are stains on the range hood surface, clean them with neutral detergent and keep the detergent from contacting the control keys. Drip the detergent onto the stains and keep it there for a short while (To prevent damage, be sure not to keep the detergent onto the machine body for too long.) and then wipe off the stains with soft cleaning cloth. Remove the detergent with a slightly wet towel before wiping dry the machine body with a soft dry towel.
3. Do not keep the stains onto the machine surface for too long.
4. If the panel is unintentionally smeared with saline solution, disinfectant, bleaching powder and other detergents (Most of these solvents contain harmful chemical components.), clean the panel with wet cloth and then wipe dry it with dry cloth.

■ Cleaning of oil cup, ring suction plate and plain net component

1. Hold both ends of the oil cup with both hands and keep the oil cup horizontal before removing it from the front the range hood. Take the oil cup down and empty the remaining oil (see Figure 1).
2. Firstly, hold the front part of the ring suction plate with both hands and then turn it downward to detach the buckle of the ring suction plate. At the same time, turn it downward to some angle once more to take down the ring suction plate (see Figure 2). Secondly, directly pull open the buckle of the plain net component and take down the plain net component before soaking the oil cup(see Figure 3), the ring suction plate and the plain net component in warm water containing neutral detergent. Clean them with a soft brush or put them into the dish-washing machine.
3. After cleaning and wiping dry them, put the plain net component to the original position and then install the ring suction plate and the oil cup.



- a. After using the range hood every time, please clean the external surface of the range hood once (including the external surface of the ring suction plate).
- b. It is advisable to clean the buckle of the ring suction plate and the air inlet cover every three months.
- c. Clean the impeller every twelve months (to be carried out by professionals only).

■ Dismantle the range hood

1. Hold both ends of the oil cup with both hands and keep the oil cup horizontal before removing it from the front the range hood. Take the oil cup down and empty the remaining oil (see Figure 1).
2. Firstly, hold the front part of the sphenoidal board with both hands and then turn it downward to detach the buckle of the sphenoidal board. At the same time, turn it downward to some angle once more to take down the sphenoidal board (see Figure 2). Secondly, directly pull open the buckle of the plain net component and take down the plain net component (see Figure 3).
3. Remove the two screws on both sides of the decorative cover, then remove the motor cover and decorative cover(see Figure 4).
4. Unscrew the screws on the motor cover, and dismantle the motor cover(see Figure 5).
5. Unscrew the screws fixing on the air input ring, and remove the air input ring(see Figure 6).
6. Loosen the screw, take off the air inlet(see Figure 7).

- 7. Unscrew the locknut in clockwise direction, and remove the vane (see Figure 8).
- 8. Screw off the locknut clockwise, Take out the impeller (see Figure 9).

⚠ Warning: Before dismantle the range hood, the power supply must be cut off. And dismantle the range hood must be operated by professionals.

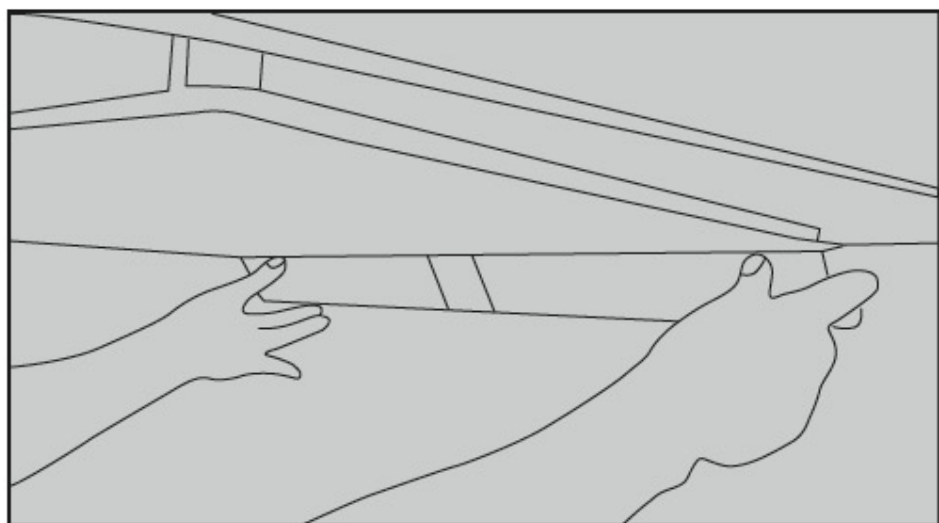


Fig.1

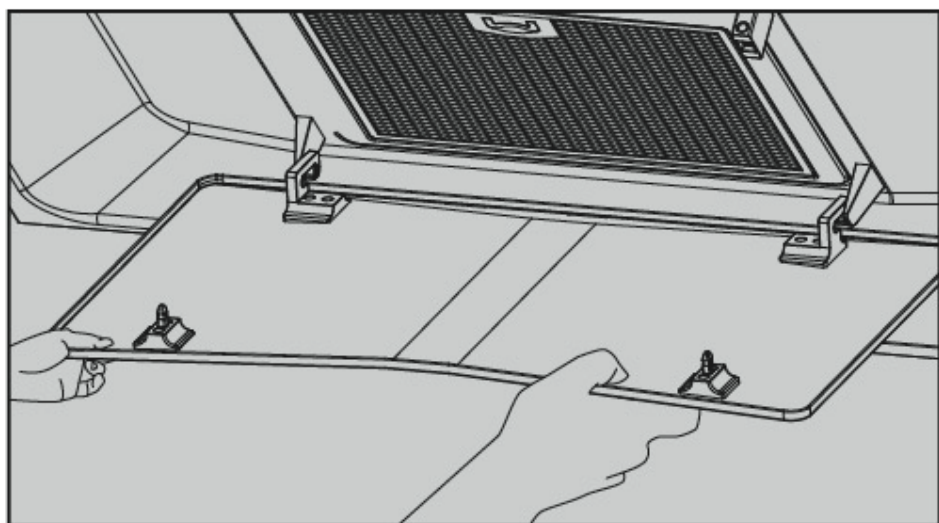


Fig.2

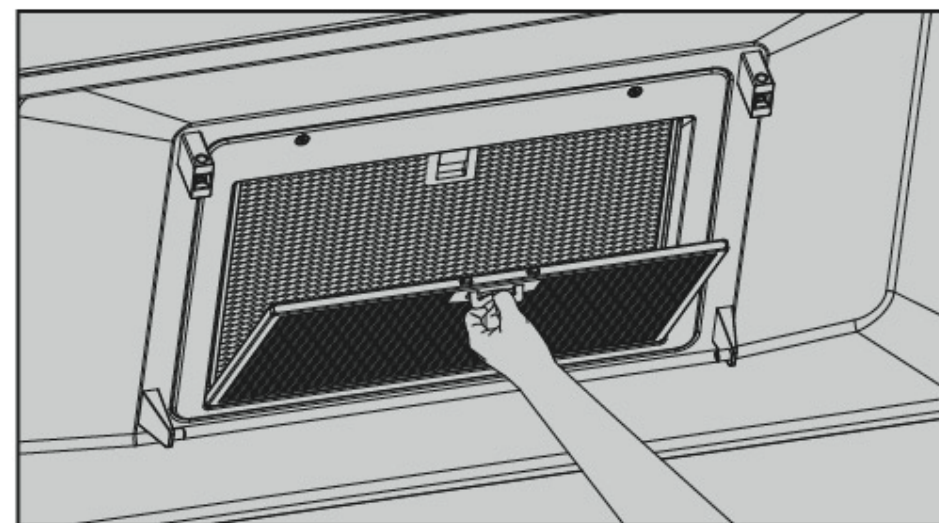


Fig.3

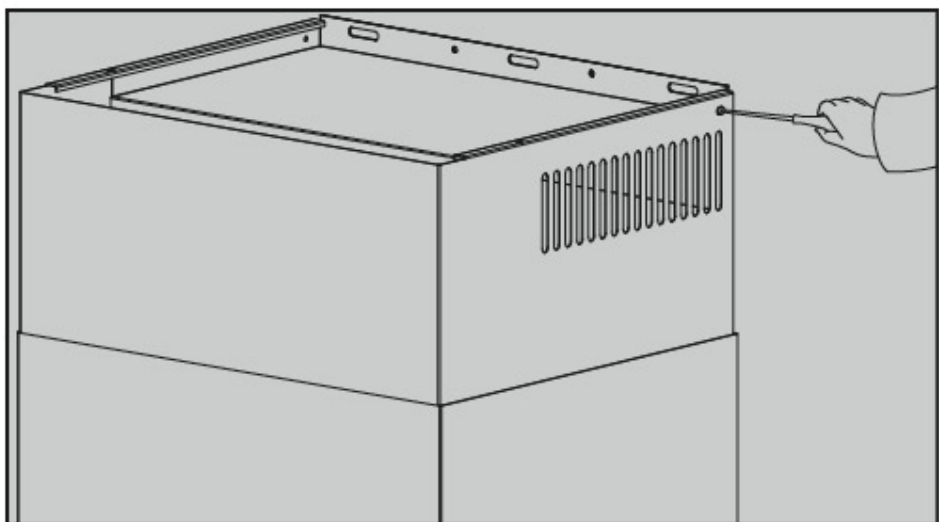


Fig.4

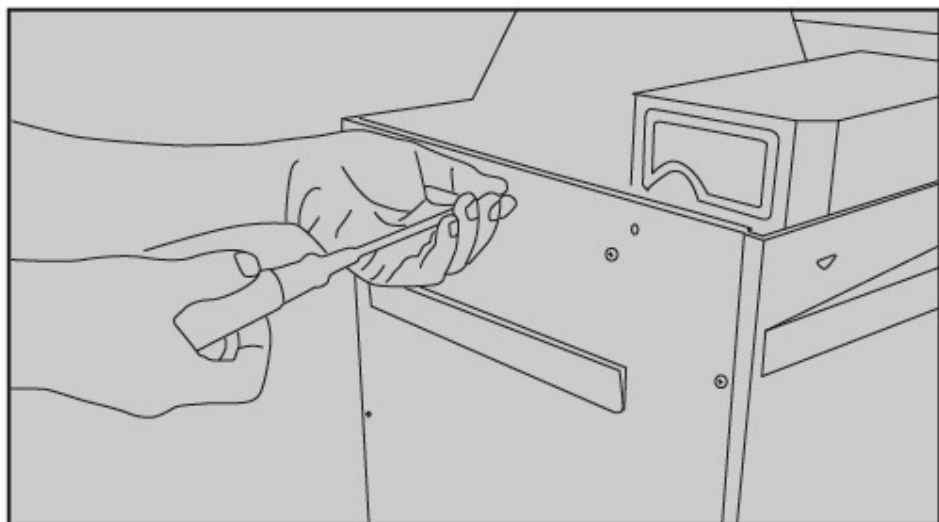


Fig.5

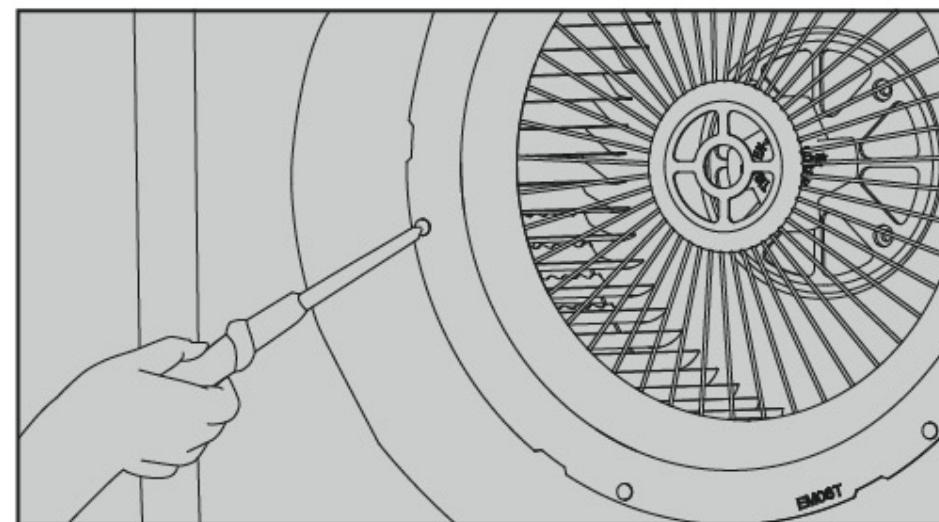


Fig.6

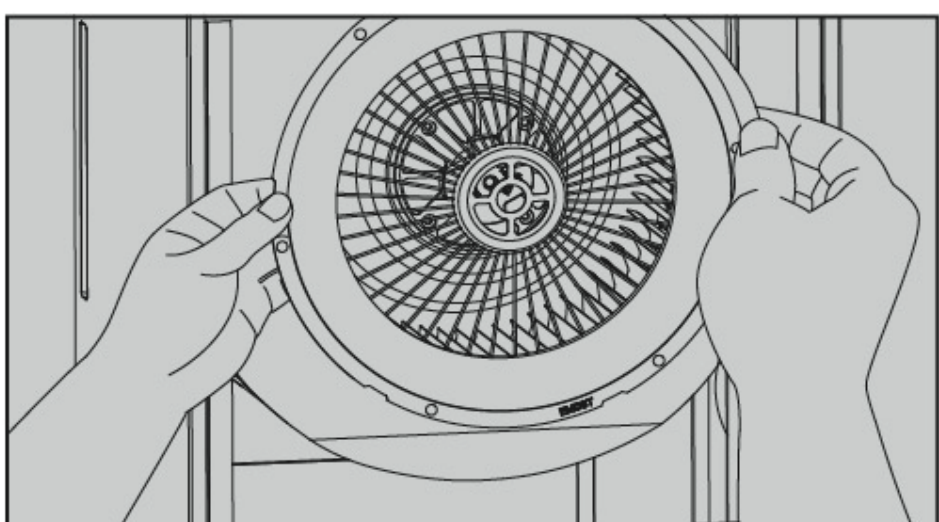


Fig.7

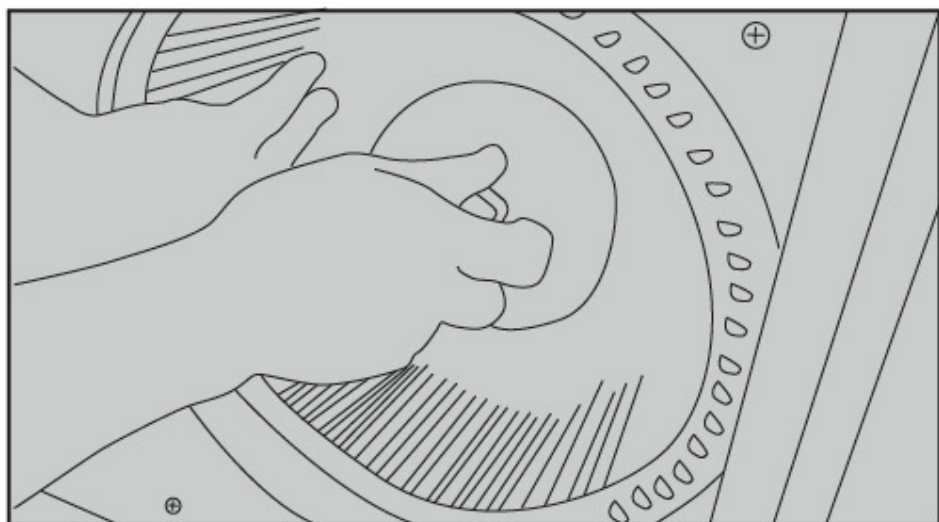


Fig.8

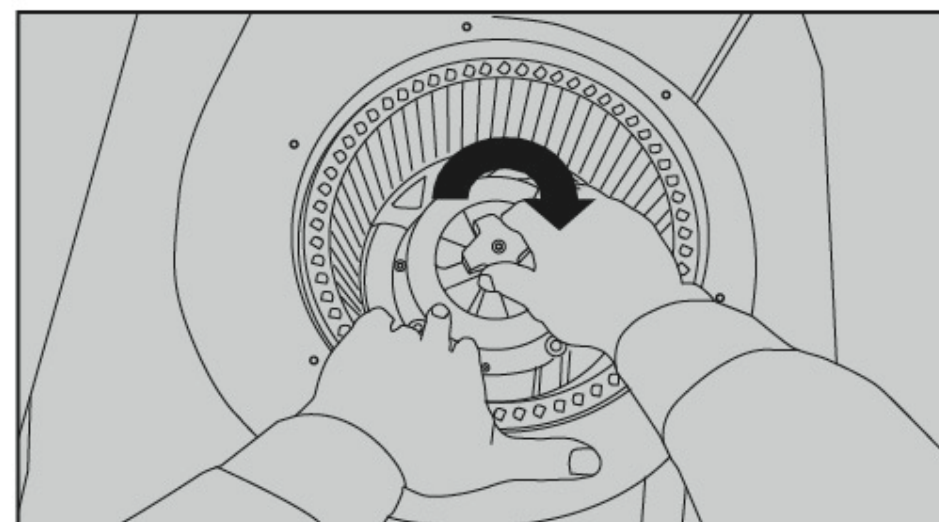


Fig.9

Replacement and operation process of Carbon filter component

Firstly, hold the front part of the ring suction plate with both hands and then turn it downward to detach the buckle of the ring suction plate. At the same time, turn it downward to some angle. Take down the ring suction plate. Secondly, directly pull open the buckle of the plain net component and then take down the plain net component. Lastly, directly pull open the buckle of the Carbon filter component and then replace it with a new one.

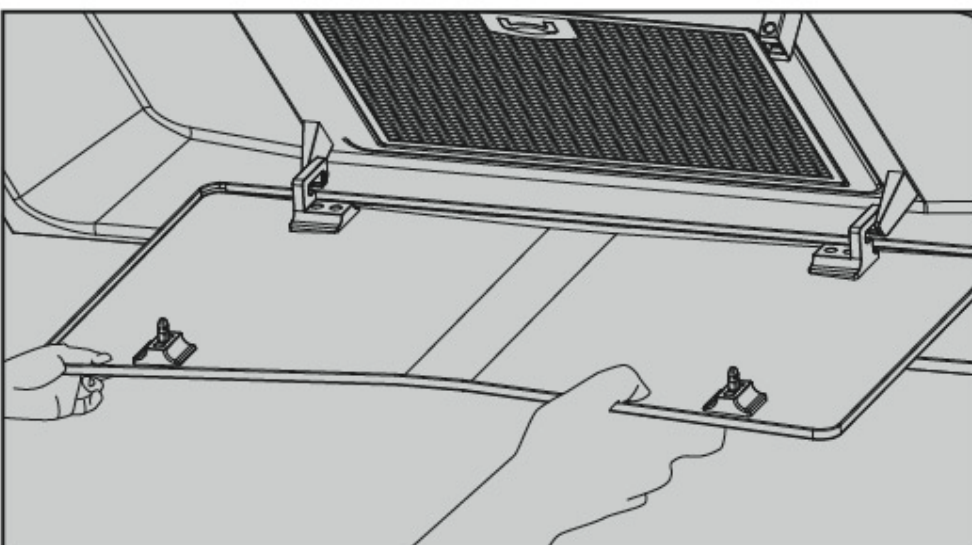


Fig.1

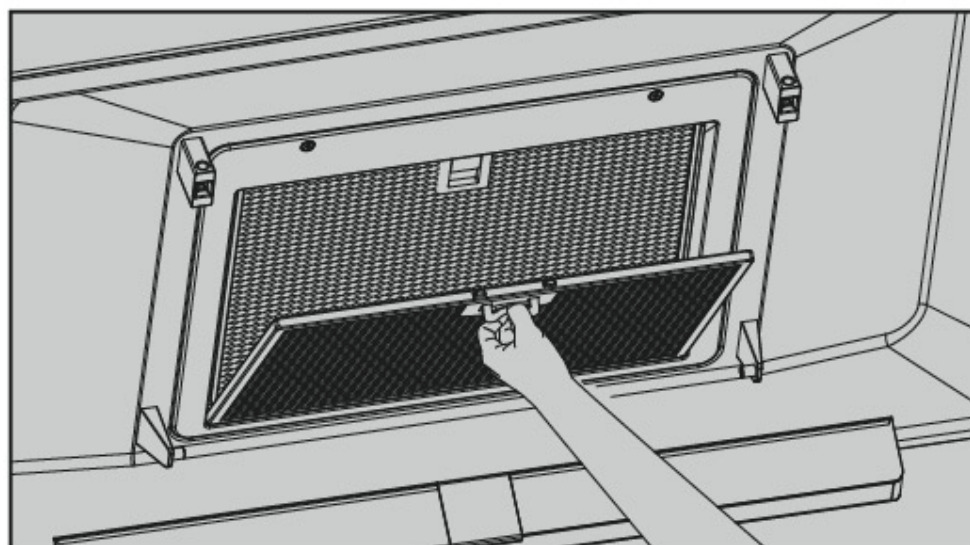


Fig.2

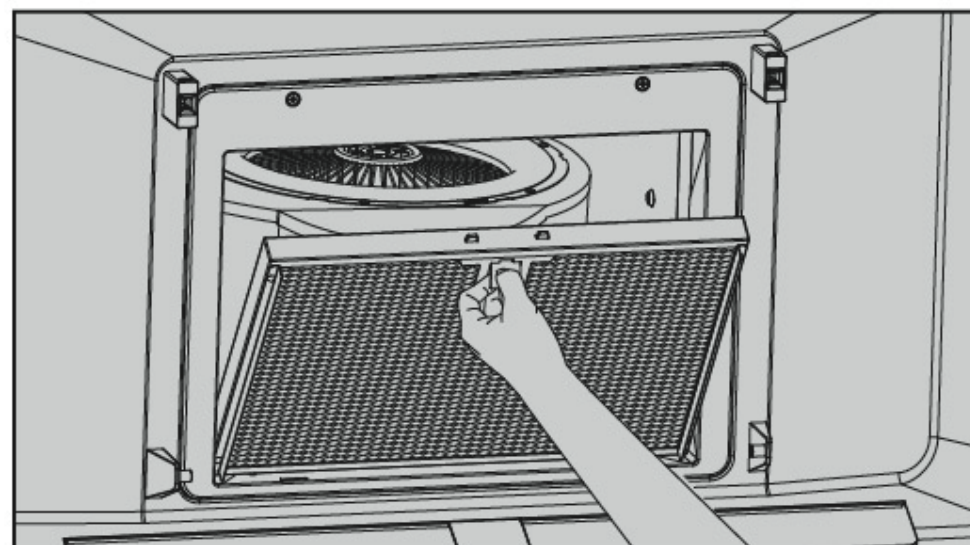


Fig.3



- a. The Carbon filter component cannot be cleaned;
- b. Please purchase the new Carbon filter component from the local retail store.

Normal Malfunction and Trouble Shooting

Malfunctions	Possible reasons	How to check
Range hood can't work, light can't lighten	Haven't connected with power supply	Check whether the plug is well inserted or not
		Check whether there is electricity or not in the plug
Motor can working, but light can't lighten	LED light is damaged	Replace LED light (done by professional people)
There is machinery shaking noise	Screw is loosed	check whether the surface screws are tightened or not
Suction power is weak	Too long distance between range hood and stove	Lower the range hood installation height (done by professional people)
	Too much ventilation near the range hood leads to strong convection	Close some doors and windows
Noisy	Exhaust pipe surface is distorted	Reinstall exhaust pipe (done by professional people)

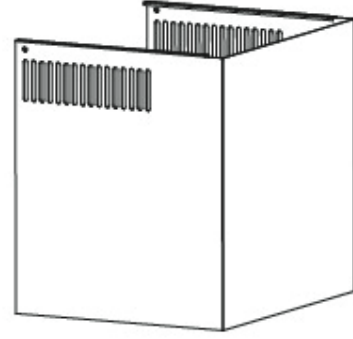
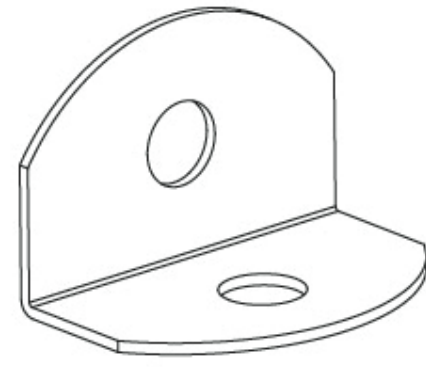
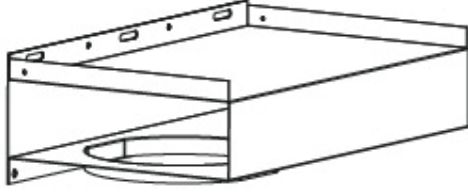

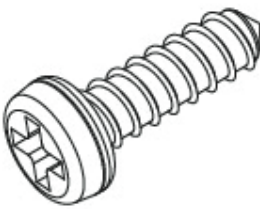


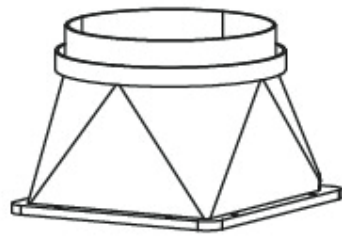
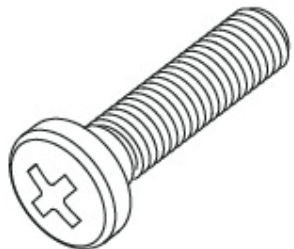
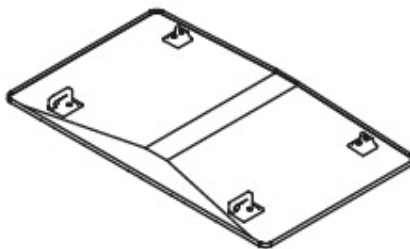
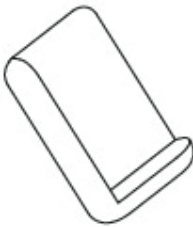



- 1. Change the LED light: please contact FOTILE after sales center.
- 2. If the range hood still can't work after getting rid of the above malfunctions, please contact FOTILE service center .





Installation

Packing List

	Complete Appliance	1		Aluminum Foil Tape	1
	Exhaust Pipe	1		Wooden Screw 4.5x60	7
	Pothook	1		Oil Cup	1

	Decorative Cover	1		Safety Block	1
	Wind Guide Box	1		Upper Seal Mat	1
	Cross Recess Head Self-tapping Screw ST 3.9x9.5	6		User Manual	1
	Expansion Pipe φ10X60	7		Exhaust Cover	1
	Cross recess pan head self-tapping locking screws M4 X 18	8		Ring suction plate assembly	1
	Collision Avoidance Elements	2		Carbon filter component	1

Installation Methods

⚠️ Attentions			
	Suggest install the range hood after finishing the kitchen decoration		Make sure to keep the appliance horizontal.
	After finishing installation, make sure the range hood can normally work, please read carefully and keep well the user manual.		Please abandon and recycle the old range hood which can't work any more, to protect the environment.

⚠️ Attentions

 Strictly Execute Accessible parts may become hot when used with cooking appliances. The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels Failure to install the screws or fixing device in accordance with these instructions may result in electrical hazards This appliance is not intended for using 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.	
 Strictly Execute If it is necessary to move the gas stove before installing the range hood, please close general gas valve before moving the gas stove.	 Strictly Execute Please wear protective gloves to avoid your hands being hurt by range hood sharp edge.
 Strictly Execute The range hood is heavy and the installation is complex, so the installation should be done by professional people according to the user manual.	 Strictly Execute Please use specialized power socket and it should be connected with reliable ground wire to ensure safety.
 Strictly Execute Please do not damage the electric wire and other hidden equipment when drilling on wall. Power off the range hood when installing.	 Strictly Execute The wall should be strong enough to support the range hood, otherwise the range hood may drop down and result in damage.
 Strictly Execute Please use accessories provided by FOTILE company to ensure safe and well installation. Make sure the tightness between expansion pipe and wall hole, and please don't drill the hole too big, to avoid drop due to expansion pipe loosening.	 Strictly Execute Package of new range hood: To keep a well environment, please deal with the plastic package by environmental way. Packing material is not toy, so please keep the plastic bags and box away from the infant to prevent such dangers as suffocation, etc.

Installation Suggestions

■ Installation Position

The range hood is only for family use only; Please do not use the range hood under other conditions.

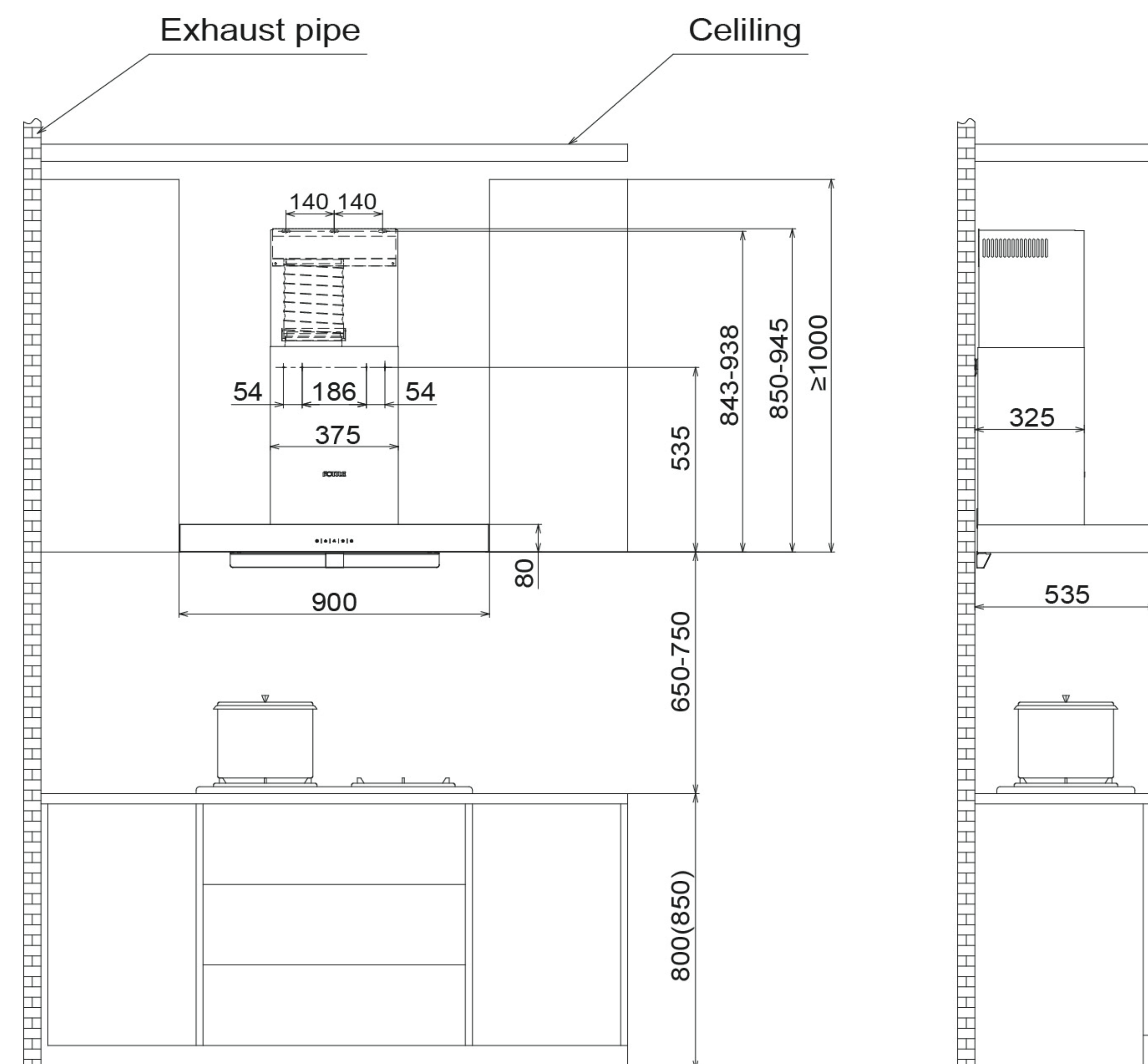
The range hood should be installed above the stove. Keep parallel between the blower outer cover bottom end and cabinet bottom end.

The temperature of the range hood should not be more than 40℃.

The wall should be none-flammable. Never install the range hood on the flammable wooden wall.

Installation Diagram of Hoods and Cabinets.

(Unit: mm)



Blower outer cover bottom and cabinet bottom should be even.

Preparation before installation

- Warning, Please don't make sundries into exhaust pipe to avoid damaging the range hood. Estimate the exhaust pipe position. A straight and short exhaust pipe makes smoke extraction more smooth, please refer to installation diagram.
The joint between exhaust pipe and wall hole should be sealed with tape, and ensure firm connection between exhaust pipe and exhaust cover.
Too small wall hole will affect smoke extraction, therefore, please broaden the wall hole to fit exhaust pipe size under safety condition.

- Tool preparation Please prepare the following tools before range hood installation.

- | | |
|--|-----------------------|
| (1) Impact electric drill (with drillbit of $\phi 10\text{mm}$) | (2) Cross screwdriver |
| (3) Internal hexagonal wrench (M6) | (4) Measuring tape |
| (5) Hammer | |

Installation Steps

- Equip the electric impact drill with a $\phi 10\text{mm}$ percussion bit for use;
- Accurately locate the position on a solid wall where drilling shall be carried out via the chopping bit (Refer to Figure 1). Drill the wall and embed the expansion pipe in a secure way, fix the pothook and the components for the wind guide box and screw in the wood screw tightly. The components for the wind guide box can be strengthened and fixed onto the suspended ceiling with two ST3.9x9.5 self-tapping screws;
- Fix the fan cover and the seal ring onto the mainframe top with eight M4x18 bolts;
- Fix the air duct onto the outlet housing with ST3.9x9.5 self-tapping screws before winding and sealing the air duct with aluminum tape
- Hang the mainframe in a secure way. When look at it in front, the machine shall not be slanted or oblique. When look at it sideways, the machine shall cling to the wall surface, and there needs to be a little gap between the machine and the wall;
- Install the air duct according to Figure 1. Fix the air duct onto the components of the wind guide box with two ST3.9x9.5 self-tapping screws. Inspect the tube wall which shall not be bulged or flat;
- Refer to Figure 2 to locate the position where drilling shall be carried out via the percussion drill. Embed the expansion pipe in a secure way, fix the safety stops until finally screw them up with wood screws;
- Installation of fan shield and trim cover:
 - (1) Put the trim cover in the fan shield;
 - (2) Take up the fan shield and the trim cover simultaneously. First hang the trim cover on the components of the wind guide box, and then push the trim cover and the fan shield to the bottom along the components of the wind guide box;
 - (3) After pushing the trim cover and the fan shield to the bottom, the fan shield will slide down slowly to snap the buckle of the fan shield into the fan frame and then insert the fan shield into the gap between the carrier plate and the fan frame;
 - (4) On both sides of the decorative cover use self-tapping screws ST3.9*9.5 to fix the decorative cover on the wind guide box (see Figure 3).

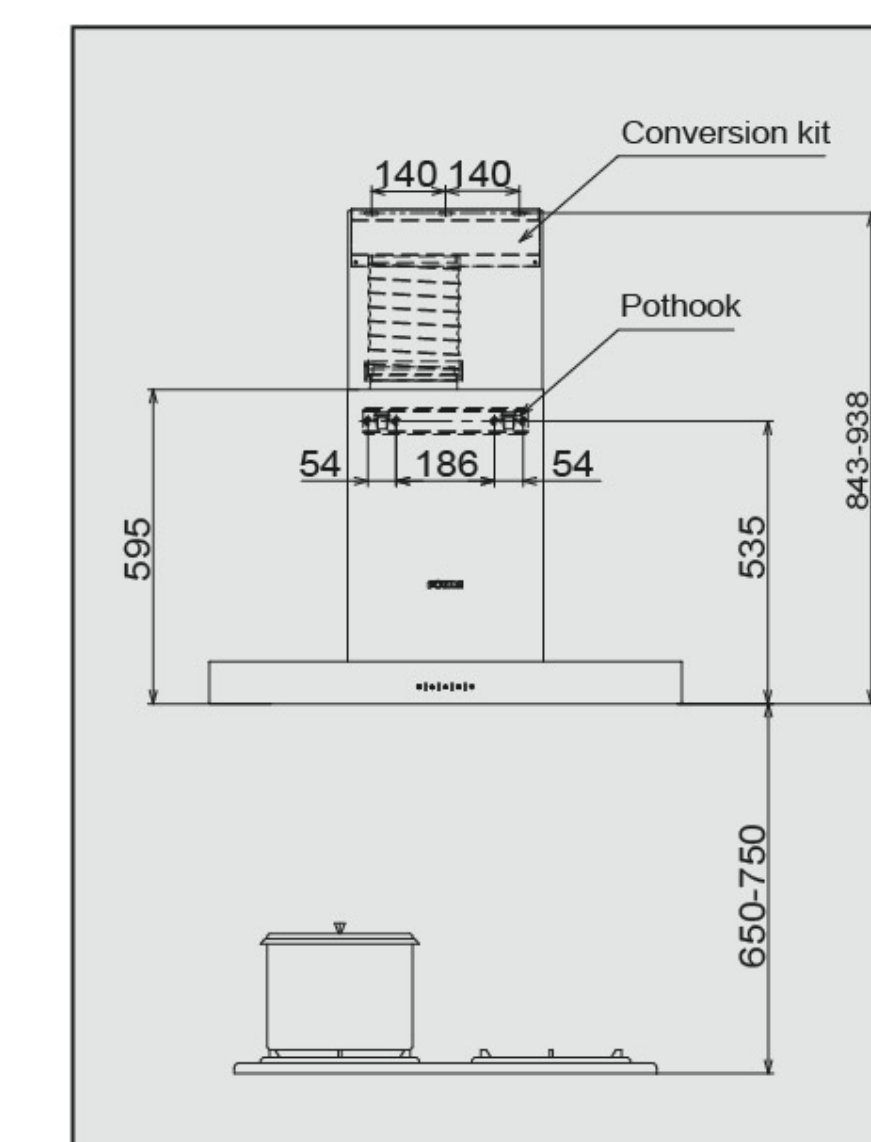


Fig.1

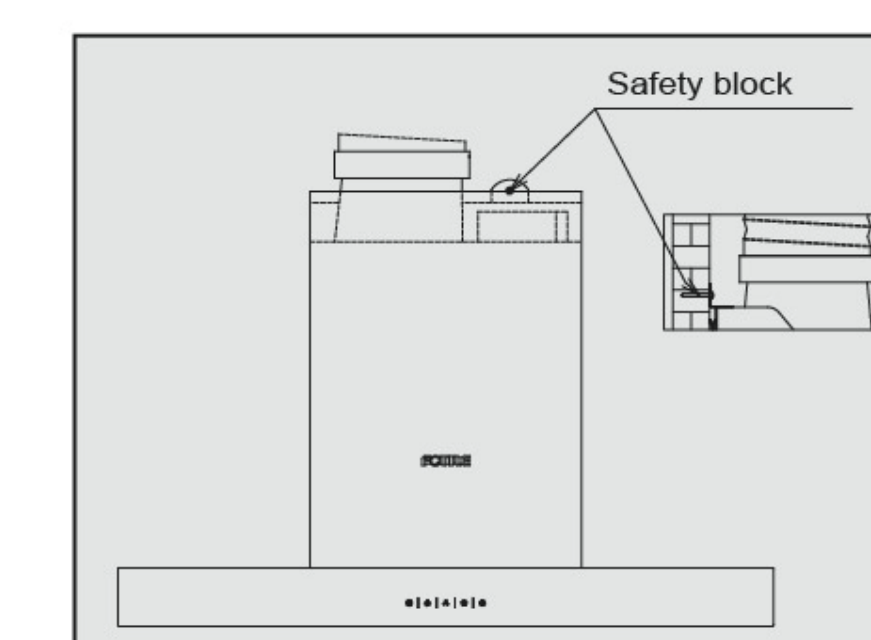


Fig.2

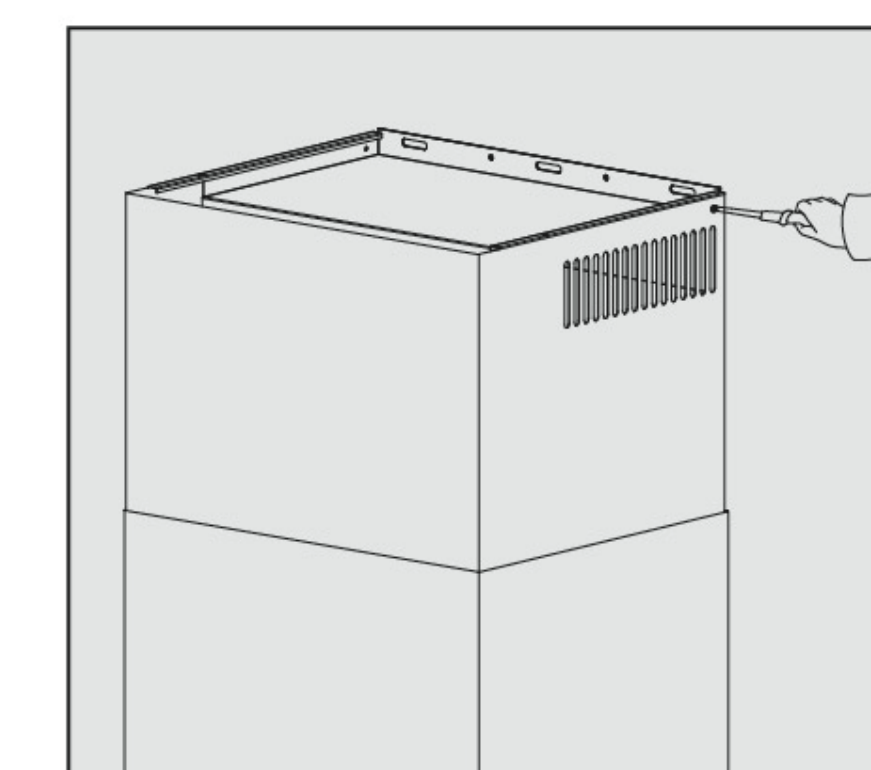


Fig.3



- Before installation, take down the fan shield;
- If the installation needs to be conducted along with the installation of cabinet, exchange step 4 and step 5;
- Choose the drilling bit according to the specific condition of the place of drilling.

9. Installation of filter component:
- (1) Take down the plain net component according to Figure 4 and Figure 5;
 - (2) Install the Carbon filter component according to Figure 6;
 - (3) Restore the plain net component to the original state of installation according to Figure 7.
10. Installation of ring suction plate (see Figure 8):
- (1) Hold the buckles of the ring suction plate with both hands separately;
 - (2) Hold the ring suction plate with both hands and turn it upwards. Firmly insert the buckle of the ring suction plate into the buckle on the component of the exhaust fume collecting hood.
11. Installation of anti-collision parts: First remove the double faced adhesive tape of the anti-collision parts (see Figure 9) and then stick the anti-collision parts to the angle of the range hood (see Figure 10);
12. Install the oil cup (see Figure 11);
13. Insert the mainframe's power plug into the power socket.

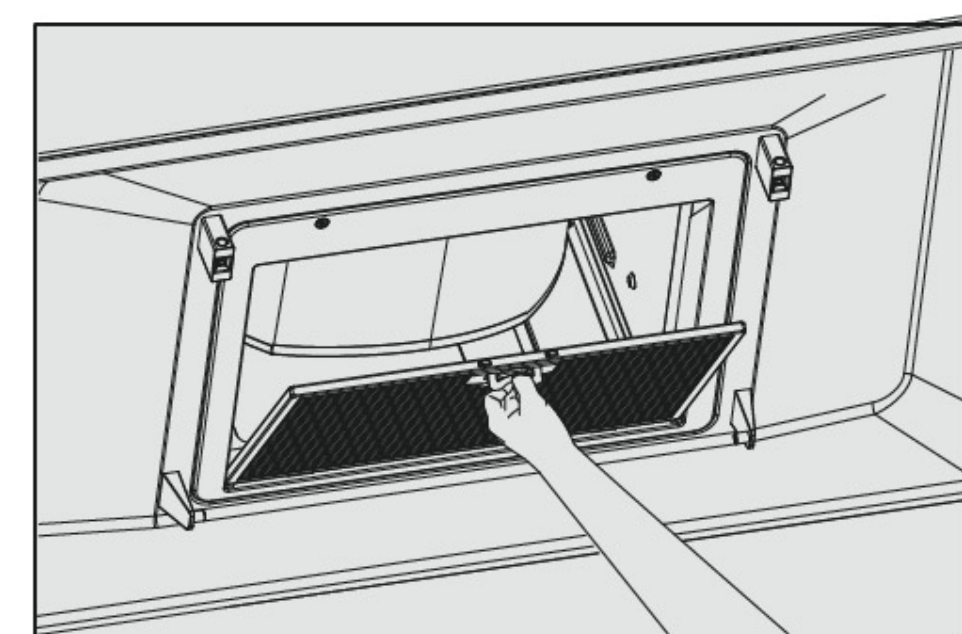


Fig.4

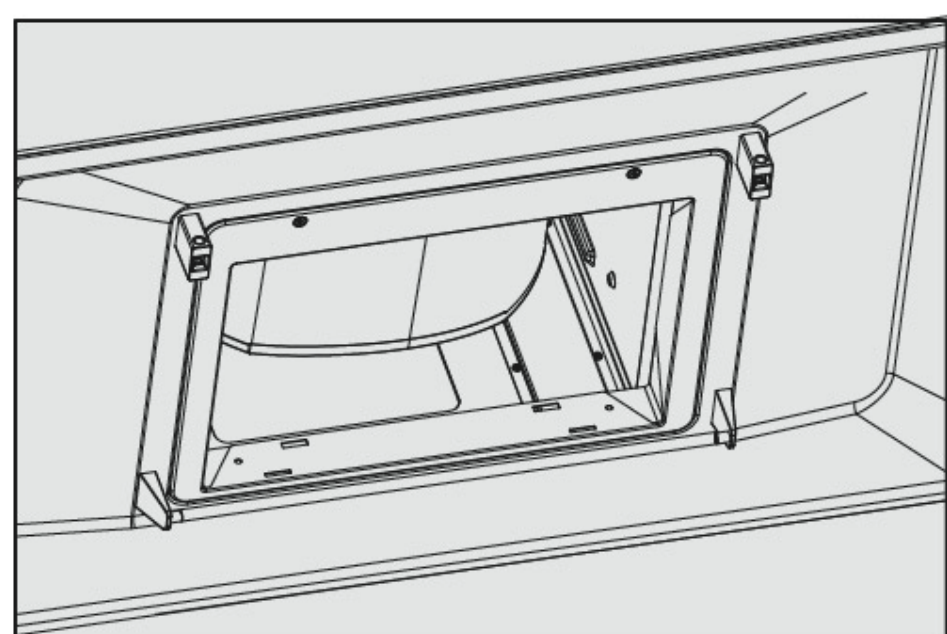


Fig.5

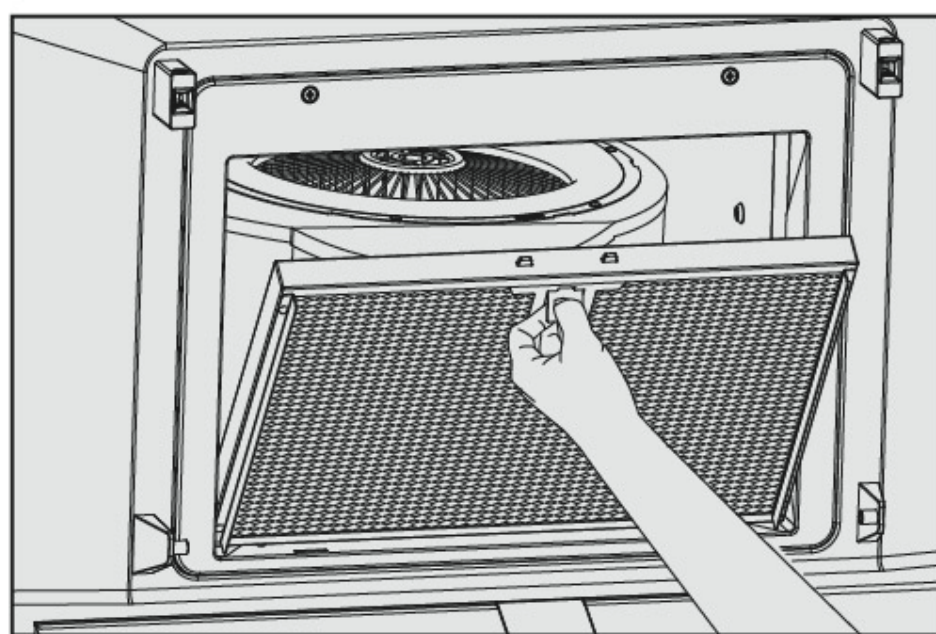


Fig.6

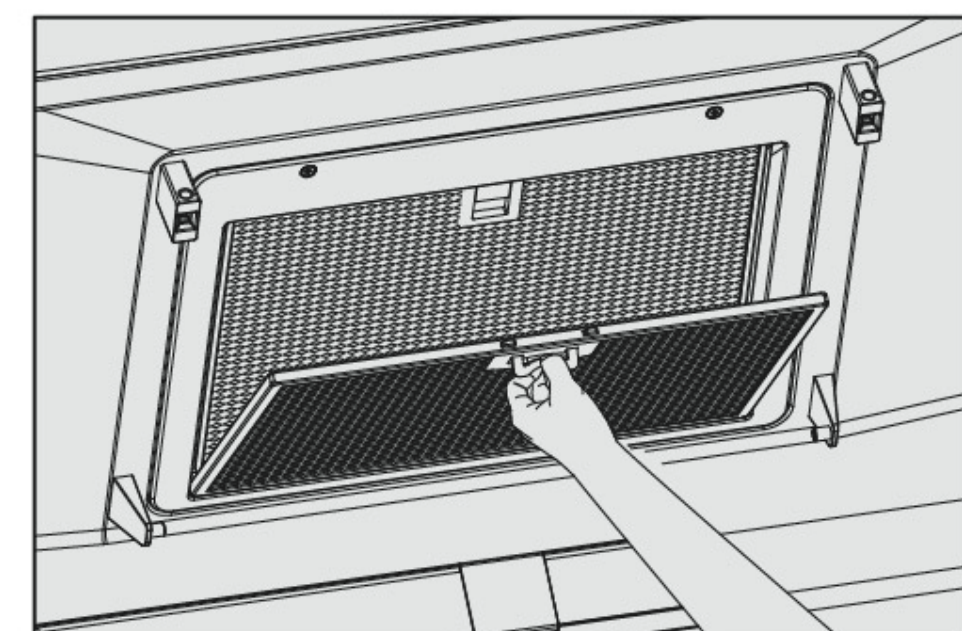


Fig.7

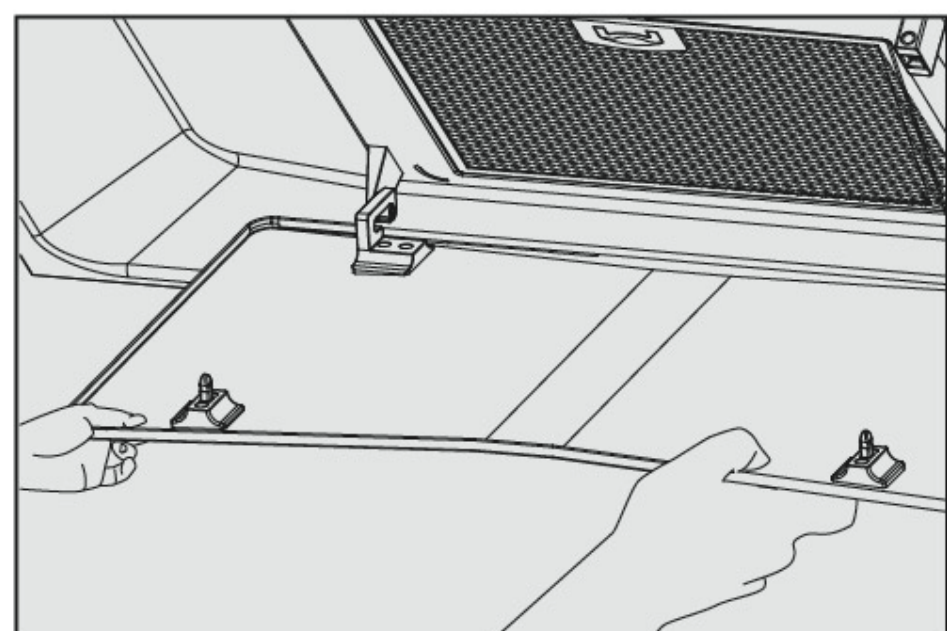


Fig.8

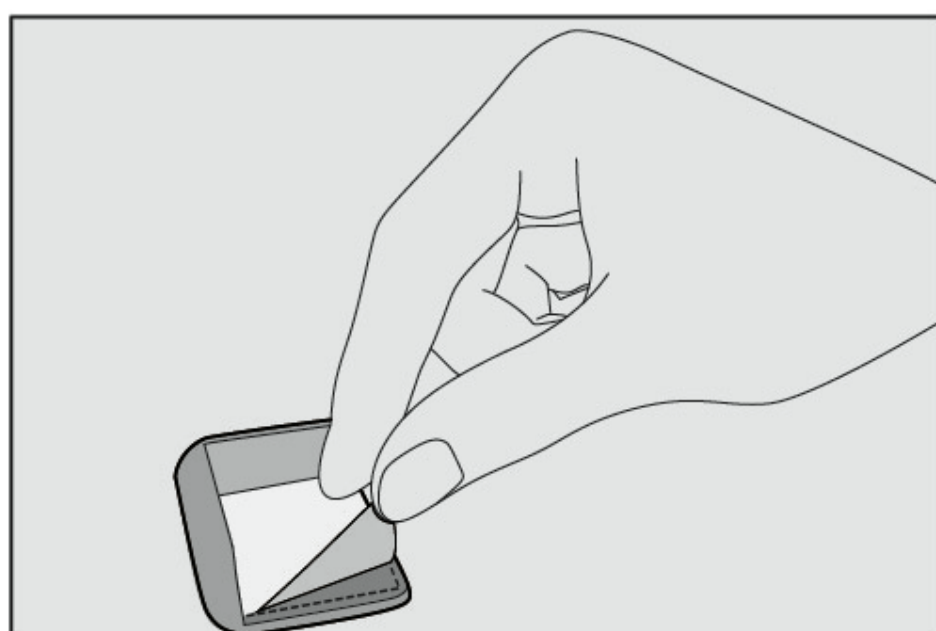


Fig.9

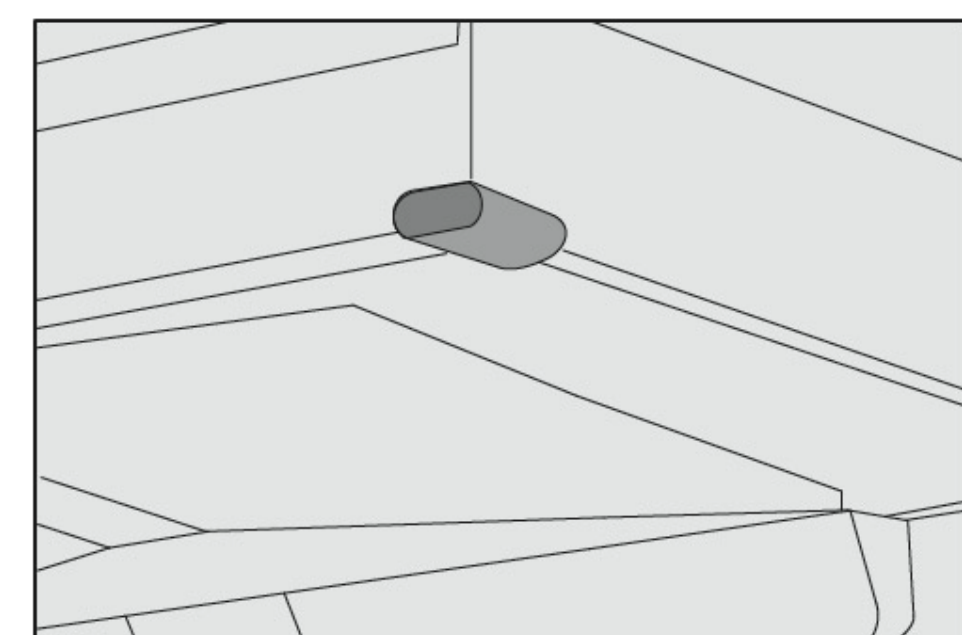


Fig.10

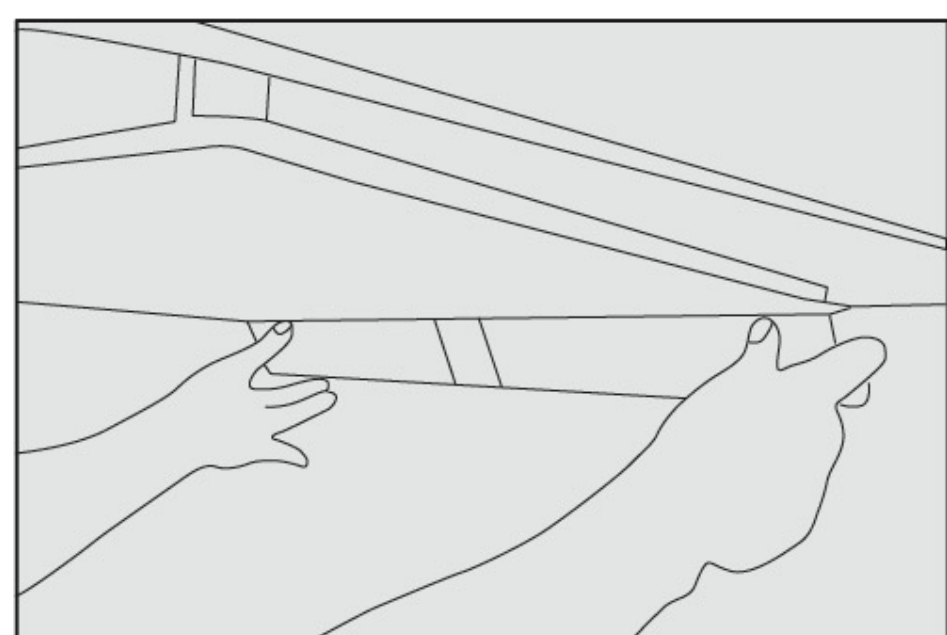


Fig.11

Debugging

- 1. Connect the power plug.
- 2. Press the “☼” key, check the light.
- 3. Press the “⚙️ / ⚙️” key, to check if the motor is at normal operation. If there is abnormality, Please turn off the power immediately, and check if it is the problem of installation. (Please contact with FOTILE distributor or service center.)
 - (1) The body of hood shakes heavily.
 - (2) The expansion pipe is loose.
 - (3) The impeller doesn't work.
 - (4) Big noise from the impeller running.
 - (5) Abnormal noise from motor.
- 4. press the “⏻” key, the turbine and the light are off.


Main Technical Specifications

Electrical parameter

Model	Voltage	Frequency	Motor Power	LED Light Power
EMS9021-R	220-240V	50Hz	210W	2W

Recycle model

Model	Recycle Speed	Test By IEC Standard			Oil filtration rate
		Air flow(m³/h)	Noise(dB)	Max Static Pressure(Pa)	
EMS9021-R	High Speed	750	68	365	97.4%
	Low Speed	660	64		

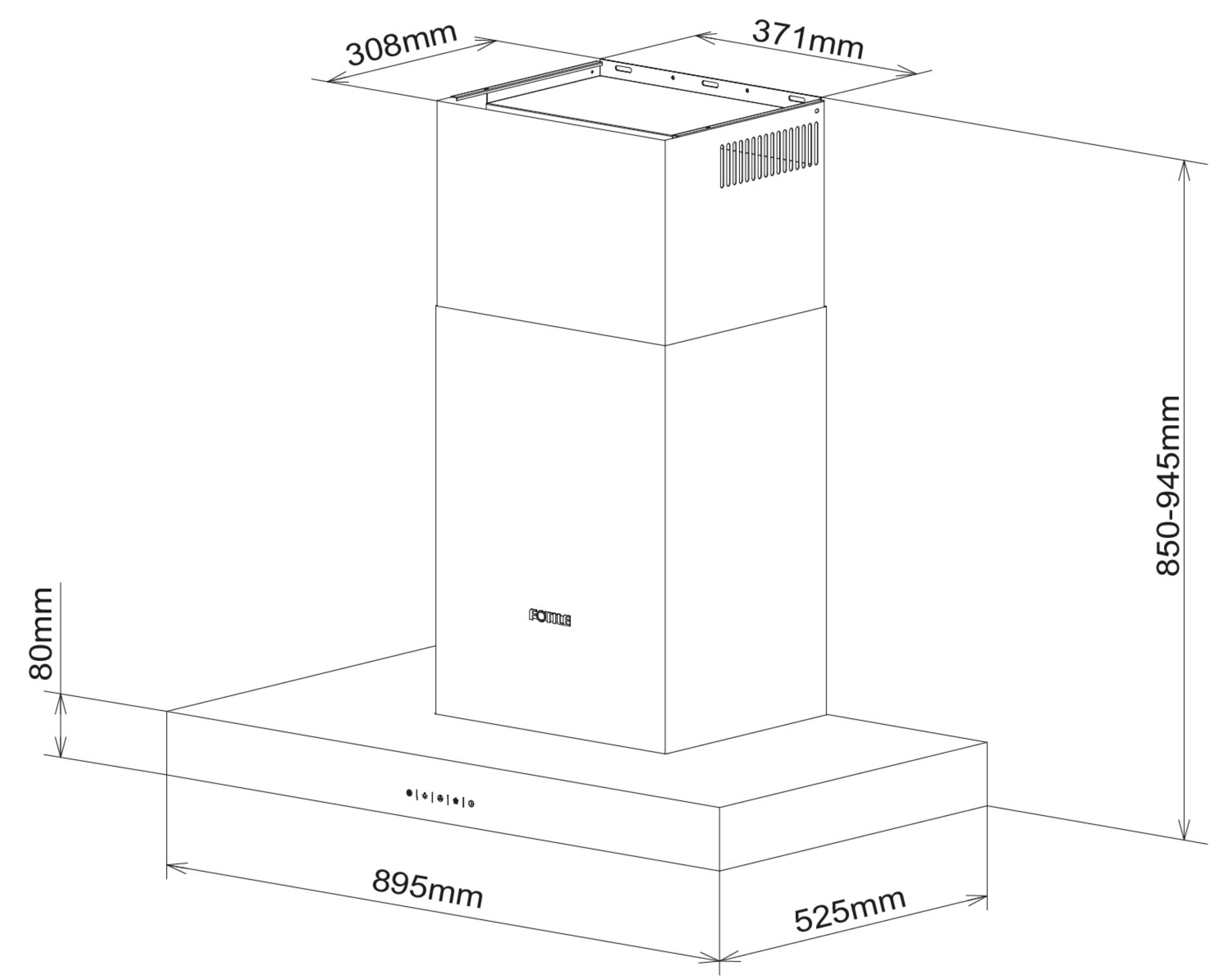


a. Air flow and Max Static Pressure: Deviation between express value and measured value is less than 5% of the express value.

b. Noise, 68dB is weighted sound power level. Sound Pressure level noise is 54dB.

c. For the exhaust modle,the air flow is 1080m³/h tested by IEC61591 Standard.

Product Basic Conditions



EMS9021-R

Component Name Diagram

