

ROBAM



User Manual

Before operating this unit, please read the user manual completely and keep it. If the manual is lost, you can send e-mail to overseas@robam.com, request for an electronic manual.

CXW-260-87H3S

Range Hood

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Dear users:

Thank you for purchasing our range hood. Please accept our best regards. Please read this user manual carefully before installing and using, and keep it well for future reference.

*The images in this manual are for reference only. If the images differ from the actual product, please refer to the actual product. Our company is constantly improving the appearance and structure of our products, so we will not notify you of any changes to this information due to product improvements.

Safety Precaution

In order to avoid harm or property damage to the users or other person, the following distinction and marks are stipulated. These are important safety precautions. Please read and follow them carefully.

Subject to harmful or destruct degree

 Danger	If ignore this sign and operate product improperly, it's highly possible to cause danger, serious injury or fire.
 Warning	If ignore this sign and operate product improperly, it's possible to cause danger, serious injury or fire.
 Notice	If ignore this sign and operate product improperly, it's possible to cause injury or loss.

Notice and Prohibit Mark

 Prohibit	 Prohibit Flame	 Prohibit Touch	 Prohibit Touch by Wet Hand	 Prohibit Disassembly	 Strict Execution	 Necessary Earthed	 Caution Electric Shock	 Caution Scald
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 Warning	Please use this product according to manual strictly, or ROBAM shall not take any responsible caused by improper operation.
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Danger

 Prohibit	Don't allow children or weakling to use range hood separately, or it may cause electric shock or other accident.
 Prohibit	Prohibit water on motor, switches or other electric parts; Prohibit wash range hood by water spray. Don't use range hood if wet or it may cause electric leakage or shock.
 Prohibit	Don't change, stretch, bind or press electric wire, or it's possible to cause electric shock or fire because of broken wire.
 Prohibit	Prohibit any change of interior circuit, or it may cause injury or other danger, for example, electric shock or fire.
 Prohibit Touch by Wet Hand	Don't touch plug, electric parts or button by wet hands, or it may cause electric shock.
 Strict Execution	Unplug before cleaning, installing or maintaining, avoiding from electric shock.

⚠ Danger

 Strict Execution	Please turn off range hood immediately if pan got fire (range hood shall aggravate fire if it's working) and extinguish fire by effective action. For example, cover flame by metal cover, turn off gas valve immediately and remove inflammable things.
 Strict Execution	Any abnormal, please turn off power, take off plug or cut off electric source, and contact service. It's possible to cause electric shock or fire if using range hood under abnormal situation.

⚠ Warning

 Prohibit Disassembly	Range hood must be installed, disassembled or maintained by professional person.
 Prohibit	Stove fire shall be extinguished timely when it is not used; do not flambe under the range hood and it's prohibited to bake food under range hood directly to prevent range hood from damaging and causing accidents.
 Prohibit Touch	Don't touch bulb if it's on or just close in short time, or it may cause scald.
 Strict Execution	In order to ensure safety, range hood must be installed by specific accessory (especially expansion pipe and wooden screws, or it may cause accidental drop of range hood). The pipe bore and hole must fit tightly during the installation of metal expansion pipe. It is prohibited to make excessively large hole to prevent accidental drop of loosening expansion pipe.
 Strict Execution	The range hood must be used by specific plug and properly ground it. It's possible to cause electric shock, hot plug or fire because of improper electric wire. Installation must be executed by professional person based on local electrical regulations. Before connect electricity, power must be turned off.
 Strict Execution	If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
 Strict Execution	All operation must comply with our safety guidelines as well as local safety regulations.
 Strict Execution	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.
 Strict Execution	This appliance just for household use only. And it's not allowed to exhaust dangerous or explosive matter or air. It should be put under dry and ventilation environment without dangerous air.

⚠ Warning

 Strict Execution	The range hood and electric circuit must be installed by skilled and trained personnel with required qualification. When installation, the related regulation, standard or instruction on fire must be complied. It may cause danger because of improper installation, for example, electric shock, drop or fire accident.
 Strict Execution	The outlet must be connect with outside. In order to ensure safety and fresh air, waste gas should be exhaust to outside. Don't exhaust waste gas to the wall, loft or garage.
 Strict Execution	There is a fire risk if cleaning is not carried out in accordance with the instructions.
 Strict Execution	Keep a good habit to turn off gas hob and gas valve if go outside, sleep or finish operation. Replace or check gas pipe regularly, since gas alarm device can't completely avoid accident caused by gas leakage.
 Strict Execution	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.
 Strict Execution	The minimum distance between the supporting surface for the cooking vessels on the hob and the lowest part of the range hood. When the range hood is located above a gas appliance, this distance shall be at least 650mm. If the instructions for installation for the gas hob specify a greater distance, this has to be taken into account.
 Strict Execution	Range hoods and other cooking fume extractors may adversely affect the safe operation of appliances burning gas or other fuels (including those in other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation of a range hood or other cooking fume extractor, the operation of flued gas appliances should be tested by a competent person to ensure that back flow of combustion gases does not occur.
 Strict Execution	The range hood is only intended to be installed over a hob with no more than four hob elements.

⚠ Notice

 Prohibit	The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels, the discharge of air must fulfill the requirements of local regulations.
 Strict Execution	Before removing range hood for installation, clean or maintainance, power must be cut off avoiding from electric shock. When installation, clean or maintainance, protective gloove must wear avoiding from injury.

Notice



Strict
Execution

The temperature for range hood working can't exceed 40°C.



Strict
Execution

Because the installation is difficult and hood is heavy, the installation shall be executed by professional person based on manual.



Strict
Execution

Don't break electric wire or other invisible equipment when cutting something or drilling holes on ceiling.



Strict
Execution

When range hood is using in well sealed building, it should have air inlet or open door to ensure good ventilation.



Strict
Execution

When the oil exceeds 2/3 or near tick mark in the oil cup, clean it in time. Don't eat waste oil from oil cup.



Strict
Execution

The wall of installing range hood needs enough strength. For hollow walls, the thickness of solid layer of hollow wall must be more than 30mm, but for concrete walls, it can be drill holes directly. The range hood must be fixed on the wall firmly.



Strict
Execution

CAUTION: Accessible parts may become hot when used with cooking appliances.



DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electronic appliances.

By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.

Important Information

Package of Range Hood

Please settle those packages carefully in order to protect environment.

Don't allow children to play plastic film and package, it may cause asphyxia. Please avoid children near package material.

Before use Range Hood

This range hood exhaust fume outside.

Please read this manual and all information carefully before installation and operation. Please comply with our suggestion. If it's necessary, please read manual for gas hob. And please keep these manual carefully for future reference.

If range hood has obvious damage, please don't electrify and contact operator.

Product Description

Technical Data

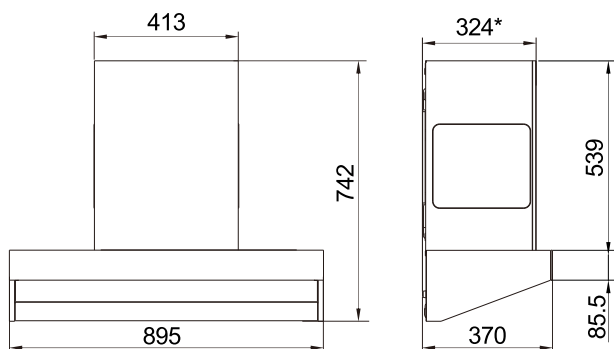
Model	CXW-260-87H3S	Noise	47dB(A)
Rated Voltage	220-240V~	Rated Power Input	262W
Rated Frequency	50Hz	Turbo Power	422W
Max static pressure	1300Pa	Rated Main Motor Power Input	260W
Net Weight	30.5kg	Lamp Power(max)	2W
Turbo Airflow	1620m ³ /h	Dimension (L×W×H)	(895×370×742)mm

Note: 1. The performance test results are all in 230V~ 50Hz power supply environment. The noise in according to IEC 60704.
 2. The max static pressure shall not be less than 90% of declared value.
 3. The noise declared value shown is A weighted sound pressure level.

Body Size

The marked sizes are for reference only, the depth dimension includes machine feet. (Unit: mm)

Note: If the hood is to be wrapped into the cabinet, the inside dimensions of the cabinet should be larger than the dimensions with *.



Packing List

Please check the items in the container upon unpacking

Packing List	No.	Name	Quantity	No.	Name	Quantity
	1	Range hood	1	4	Check valve	1
	2	Ø185(outer diameter) aluminum foil exhaust pipe	1	5	Oil cup	1
	3	User manual	1	6	Accessory packs	1

Installation



If the flue aperture is less than air duct aperture, it will influence the fume suction effect and the too long air duct will influence the fume suction effect, too.

Preparation for installation

●Surrounding

Keep the hood away from too many doors and windows, so as to avoid air convection affecting the efficiency.

●Tools preparation

The hood will be installed with the following tools

1.an impact drill (with drill bit); 2.a wrench; 3.a screwdriver; 4.a ruler.

Notice

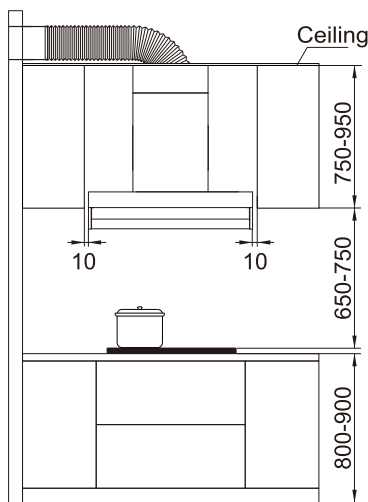
- Installation and circuit setting must be done by experienced professionals. Only a professionally trained person with an installation qualification can install the hood. Non-professionals are not allowed to install, dismantle and repair the hood.
- Please do not power on the hood before installation to avoid electric shock.
- Do not expose the hood if your kitchen is under renovation, because construction materials, dusts, paint, coatings, and emitted gases will corrode and tarnish the hood surface. Therefore, it is recommended to install it after the renovation is completed.
- If you need move the Gas Hob before installing the Range Hood, please close the main valve before moving the Gas Hob.
- Don't install the hood on wood and other combustible walls. The wall shall be made of noncombustible materials with enough strength and the surface shall be flat.
- The hood may have very sharp edges. So, please wear protective gloves during hood installation, cleaning or repair.
- When drilling on the wall or ceiling board, keep away from embedded wires and other concealed devices to avoid electric shock and fire.
- Do not install the hood at a too high position as well as keep the hood free from disturbance of ambient airflow lest the reduction of smoke pumping effect shall occur.
- When making cabinet, please leave space for installation and disassembly of the hood in order to maintain and overhaul the hood.
- When installing, please keep the machine body remain horizontal.
- Please use single phase grounded socket and the hood shall be well grounded (water pipe grounding is not reliable and gas pipeline grounding has risks of causing fire disaster and explosion).
- In order to ensure safety and successful installation, please use standard accessories provided with the hood for installation, otherwise the hood may be at risk of falling down.
- If the power cord is damaged, in order to avoid danger, it must be replaced by manufacturer, professionals of its maintenance department or similar departments. Please do not carry out restructuring, stretching, knotting and squeezing or apply heavy objects to the power cord, etc., otherwise it may cause power cord damage easily, leading to accidents such as electric shock and fire disaster, etc.
- The installation height of the mounting section is only applicable to electric cookers. The minimum distance between the supporting surface for the cooking vessels on the hob and the lowest part of the range hood. When the range hood is located above a gas appliance, this distance shall be at least 650mm. If the instructions for installation for the gas hob specify a greater distance, this has to be taken into account.
- After installation, please clean the surface of the hood, and then supply power for test run.

Installation

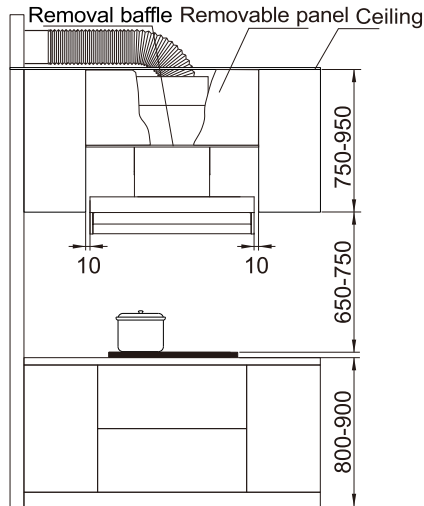
Note: All data in synoptic diagram below are recommended dimensions, and units are expressed in mm.

●Determine the location:

The removable baffle is properly adjusted according to the actual installation. The installation hole distance is shown in Figure 3, the body should be vertically centered and kept horizontal, the ceiling drilling size is shown in Figure 2, and the socket location is recommended to be installed above the ceiling



(Figure 1-1 Installation method without removal of baffles)



(Figure 1-2 has the installation method of removing the baffle)

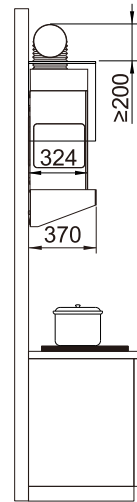
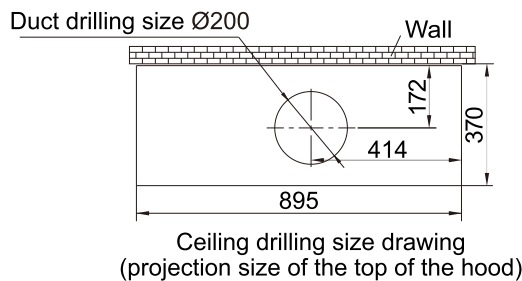
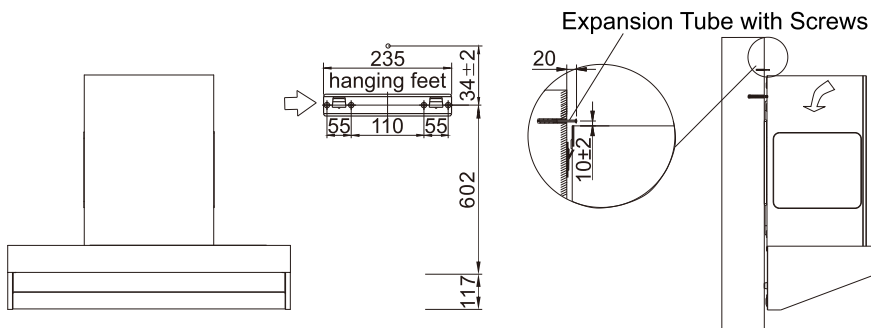


Figure 2



●**Installation of hanging feet:** According to the size of the foot, drill four holes with a depth of 60mm-70mm with a drill bit of 10mm diameter (not too big) on the corresponding positions of the wall, press the expansion tube into the holes, and then fix the foot reliably with the four cross countersunk head wood screws supplied with the unit. Drill a 10mm diameter (not too large) limit hole in the top of the foot as shown in the figure below.

Figure 3

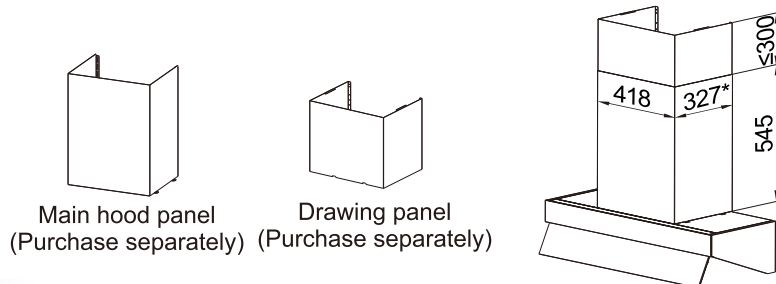


●Install hood body

First fix the air outlet seat as shown in Figure 6, then press and slide the hanging hole at the rear of the body against the hook of the hanging foot as shown in Figure 3, and shake the body by hand to see if it hangs firmly. When the body is installed in place, use 4.2 x 80mm screws to screw into the limit holes, with the end of the screws spaced about 20mm from the wall.

Note: This machine is not equipped with the main body panel and the main body attached panel, if you need, please purchase your own. The following are the dimensions after including the main body panel and the main body attached panel.

Figure 4



Connection the aluminum exhaust pipe

●Drilling position of the aluminum exhaust pipe (public flues do not require drilling)

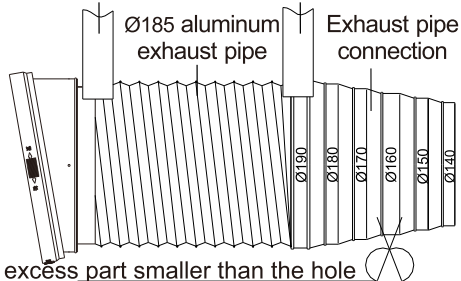
- Aluminum exhaust pipe and hob facing the window: Remove one of the glasses and install a plywood with ventilation holes or punch directly on the glass.
- Hob away from the window: Install the aluminum exhaust pipe through the window that is close to the hob and connected outside; or install it by punching on the wall that is close to the hob and connected outside.
- Drill hole through the wall: Determine the location of the aluminum exhaust pipe against the wall and draw the drilling range (i.e. a circle slightly larger than the pipe OD). Then use a long drill bit to drill through the wall. Pay attention to the wall structure and material, so as not to destroy other parts of the wall.

●Link the aluminum exhaust pipe

First, straighten the aluminum exhaust pipe, put the end without duct fixing strip on the public flue interface and tape it (if there is no public flue, please pull the duct directly to the outdoor). When the public flue interface or wall hole is larger than the aluminum exhaust pipe, it can be directly connected, when it is smaller than the duct, you can choose the duct interface. First, put one end of the aluminum exhaust pipe without duct fixing strip on the duct interface with tape, and then connect it with the public flue interface. The small end of the duct connector has five specifications: 140mm, 150mm, 160mm, 170mm, and 180mm outside diameter, and the excess part smaller than the public flue connector or wall hole can be cut off according to the actual situation.

Then, insert the end of the aluminum foil duct with the duct fixing strip onto the outer ring of the outlet seat interface, fix it with three ST4.2×8 screws distributed, and seal it with duct tape. Then, put the air outlet seat interface into the air outlet seat, and pay attention to align the arrow on the air outlet seat interface with the arrow 1 on the air outlet seat first, and then rotate it clockwise to the arrow 2, so as to make a firm connection between the air outlet seat and the interface.

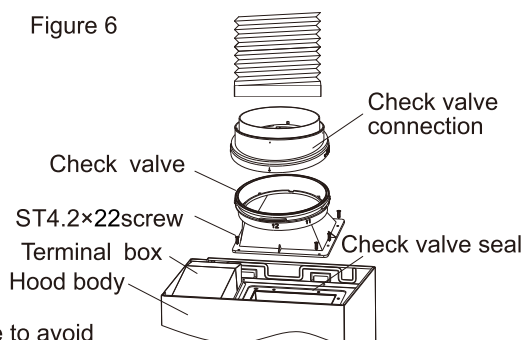
Figure 5 Exhaust pipe tape Exhaust pipe tape



Note: During installation, straighten the aluminum exhaust pipe to avoid noises in semi-stretched state. Excess part may be cut with a wire cutter.

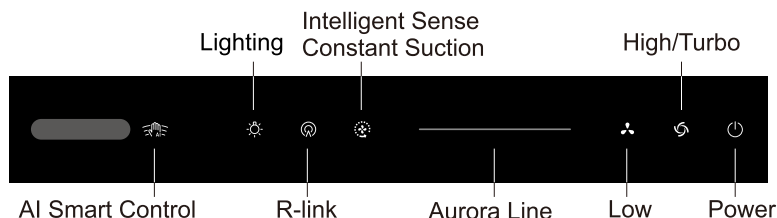
The exhaust wall hole diameter shall be close to that of the exhaust pipe, which shall not be too small. Otherwise, it will cause poor exhaust efficiency, more noises and lower volume, etc. The connection between the pipe and the hole or the public flue must be sealed tightly to ensure that, the pipe and the check valve or public flue is connected securely. The blades at the public flue connection must be flexible. Recommendation: When the range hood is matched with the anti-smoke back check valve, there is no need to install the range hood with its own check valve blade. If the use of the self-contained air outlet seat blade, in the switching machine may appear blade open and close the sound, is a normal phenomenon.

Figure 6



User Manual

Switch control panel



Turn on the power, the buzzer sounds to indicate the power-on state.

 Power	Press the power key to enter the power-on state, power, lighting, Intelligent sense constant suction, high/turbo icons light up, the fan starts the Intelligent sense constant suction high gear work. ① In the fan not running state, press the power key to enter the shutdown state; ② In the fan running state, press the power key, the hood into the delayed shutdown state, 1 minute after the automatic shutdown of all functions; in the delay process, press the lighting key, the wind volume gear key or other effective combination of keys can be canceled delayed shutdown, if you press the power key, then shut down all the functions; ③ Only the power key on state, after 3 minutes without any operation, it will enter the shutdown state.
 High/Turbo	Only when the power key is on: ① Press the high/turbo key, the high/turbo icon will light up and enter the high gear state; ② Then press the high/turbo key, high/turbo key flashes, the fan starts turbo gear, nearly 3 minutes after the automatic switch to the high gear, at this time the icon is long bright, into the high gear operation state; ③ Press this key repeatedly to change between "high - turbo".
 Low	With the power key on: ① Press the low key, the low icon lights up, and the fan starts working in low gear; ② Press the low key again, the fan stops working and the low icon goes out.
 Aurora Line	When the fan is running, the aurora line dynamically displays the speed of the airflow, the longer the length the greater the airflow.
 Intelligent Sense Constant Suction	Press the Intelligent sense constant suction key to switch between normal airflow mode and Intelligent sense constant suction mode. When Intelligent sense constant suction mode is on, the Intelligent sense constant suction icon will light up, and the hood will automatically adjust the airflow size according to the resistance of the flue; when normal airflow mode is on, the Intelligent sense constant suction icon will go out. When the hood is turned on for the first time, the Intelligent sense constant suction mode will be turned on by default, and users can switch between the modes subsequently, and the modes can be memorized after power failure.
 Lighting	Pressing the lighting key turns the light on, then pressing the lighting key again turns the light off. When the power button is turned off, pressing the key will turn on the light and the air guide at the same time.

 AI Smart Control	① Hover switch function: hover under the off state, enter the on state, and at the same time turn on the high gear, lighting function; hover under the state of wind volume, enter the delayed shutdown state; hover under the state of no wind volume, enter the shutdown state. ② Wave hand control air volume function: under the boot state, wave your hand to the right, the air volume plus a gear, the maximum is turbo; wave your hand to the left, the air volume decreases by one gear, until the fan is turned off. No air flow state, wave your hand to the right to start a low gear, wave your hand to the left is invalid. Under the delayed shutdown state, wave your hand left or right to cancel the delayed shutdown. Note: Long press the high/turbo key + low key at the same time in the off state, can turn off or turn on the AI smart control function. Simultaneously long press the high/turbo key+ lighting key, you can turn off or turn on the power-on synchronized lighting function.
 Cleaning Lock	Simultaneously long press the low key + lighting key to enter the cleaning lock state, the low and lighting key icon will be long lighted, the air guide and lighting will be opened automatically, and the fan will be turned off. At this time, except for the following keys, the other keys are invalid. ① Press the lighting key, the lighting turns off, the low and lighting icons flash slowly, press the lighting key again, the lighting turns on, the low and lighting icons light up for a long time, and so on; ② Simultaneously long press the low key + lighting key to exit the cleaning lock state, enter the shutdown state, and turn off the air guide and lighting.
Linkage Function	When the power key in the on state, long press the lighting key + R-link key at the same time, chirping beep and go into the range hood and cooktop linkage pairing state, pairing process icon flashing, connecting successfully, the icon maintains a few seconds long bright and turn off. At this time. ① Cooker ignite, if the range hood is not turned on the airflow, then start the high gear; ② Cooker off (all stove are off), then the range hood off (if the cooker is off when the range hood has been turned on the air volume, then enter the delayed shutdown function). After a successful connection, long press the R-link key + intelligent sense constant suction key at the same time, the connection is disconnected.

Maintenance

Notice

- The hood should be regularly maintained and cleaned depending on the environmental conditions to keep the body clean and effective and to extend its service life. We recommend: The hood should be regularly maintained and cleaned depending on the clean the outer surface of range hood after each cooking. To ensure smooth discharge of fumes, the filter shall be cleaned regularly according to actual situations. Be careful to avoid damage when cleaning.
- It is recommended to use a neutral detergent to clean instead of strong detergents, and dry with a soft cloth. If your range hood is a mechanical switch, you should also avoid detergent touching each control key.
- Do not allow stains to stay on the surface of the hood for too long.
- Please do not use cleaning balls, brushes and other rough objects to clean the hood to prevent the hood body surface from scratching.
- When cleaning or maintaining the hood, please wear protective gloves to prevent wounding during wiping.
- Please regularly check and clean the oil cup. As shown in the right figure, hold the oil cup with both hands, pull it out and pour out the waste oil.
- The range hood shall be started before cooking.
- Please unplug it during long-term shutdown, but please do not pull hard.



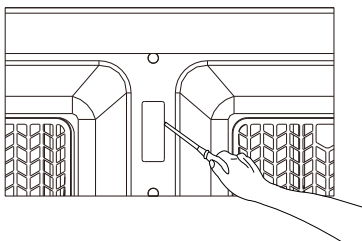
Removal of Components

Note: The installation procedures of the following components are in reverse with the removal. Please wear protective gloves during operation to prevent the sharp edge of metal hurting your hands.

⚠ Disassembly must be carried out by professionals, and users are not allowed to carry out disassembly. Unplug before installing or disassembling, avoiding from electric shock.

Removal of lamp

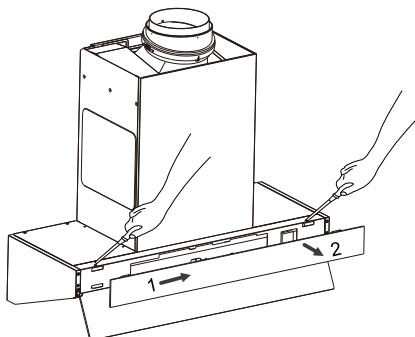
- Insert a small screwdriver or something smaller and more pointed into the gap between the light and the fume hood mounting.
- Replace the spotlight by prying firmly outward and removing the spotlight from the smoke collector.



Lamp image		Lamp information	
		Lamp Type	Rectangular LED
		Max Power	2W
		Voltage	12VDC
		Dimension	See the lamp image

Removal of switch

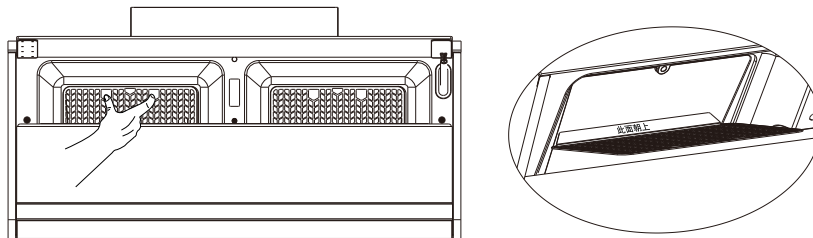
- Use a screwdriver to unscrew the 2 screws at the top of the smoke plenum.
- Push the panel glass assembly as a whole first in the direction of arrow 1, and then remove it forward in the direction of arrow 2 when the glass assembly is disengaged to perform switch maintenance.



Removal of filter

● Stick your fingers into the two holes above the filter and apply slight outward pressure to disengage the filter from the magnetic suction base, then remove it diagonally upwards.

Note: When installing, the filter should be "此面朝上" upward, and then inserted into the left or right cavity of the fume hood, inserted to the bottom and then turned upward, to be magnetically firm.



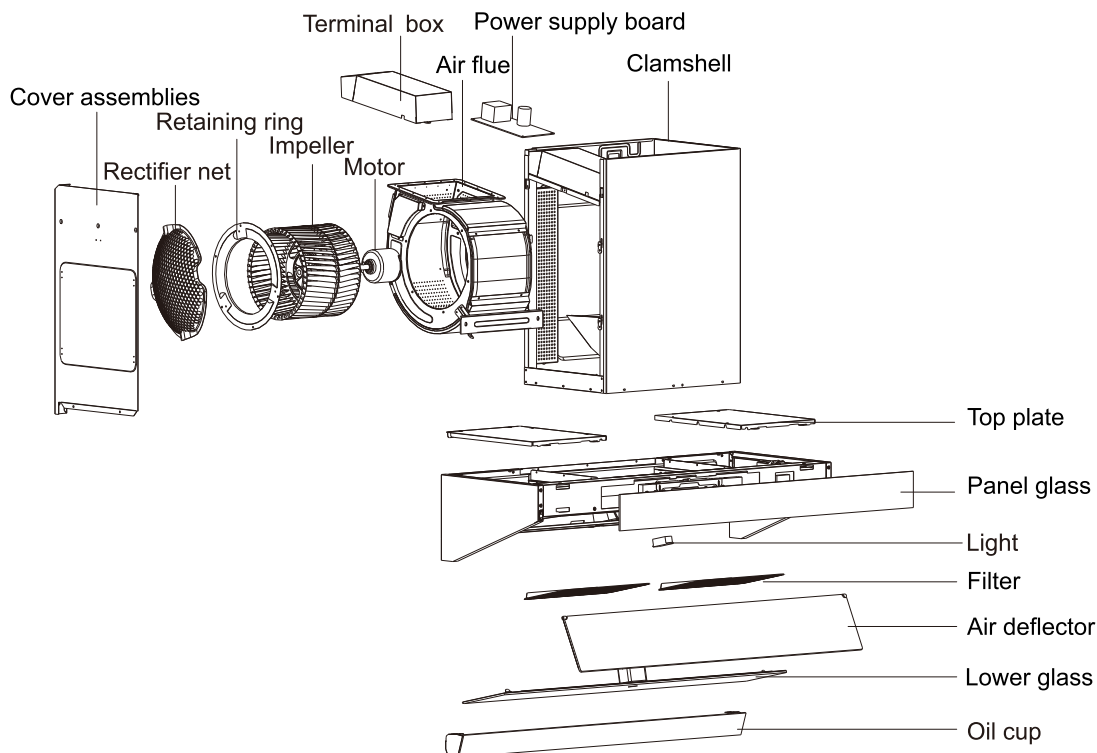
Removal of the hole range hood

1. Unplug the power supply, remove the oil cup and take off the whole machine;
2. Remove the lamp, switch and filter according to "Lamp Removal", "Switch Removal" and "Filter Removal" respectively;
3. Remove the lower glass assembly by unscrewing the screws on the bottom of the hood;
4. Use a phillips screwdriver to unscrew the screws on the top cover plate and remove the top cover plate;
5. Use a phillips screwdriver to unscrew the retaining screw on the retaining ring and remove the ring;
6. Unscrew the cap clockwise and remove the impeller vertically.

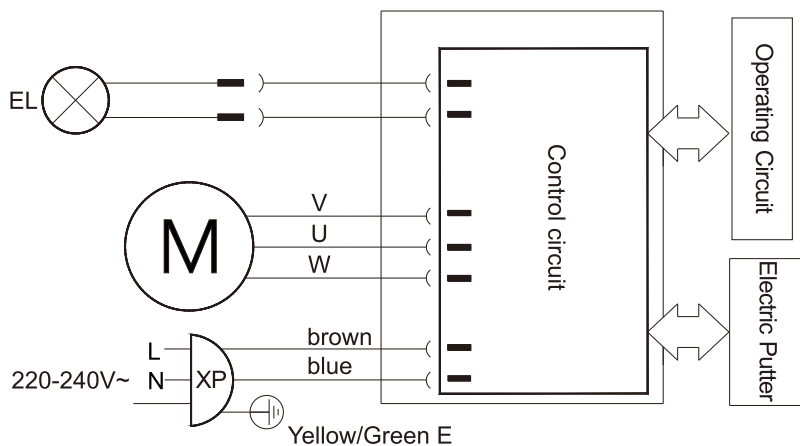
The mounting procedure is the reverse of the dismantling procedure.



The body does not need to be disassembled under normal circumstances. Disassembly is to be done by specialized maintenance personnel.



Circuit Diagram



Troubleshooting of General faults

Serial number	Fault	Cause	Solution
1	No response after pressing any icon (e. g. the impeller does not rotate, or the light is off)	The power plug is not connected properly or there is power failure	Plug in the power plug
2	Pressing the lighting icon, the headlamp is not lit	The light is damaged or poorly connected	Replace the light or plug in the plug
3	Induced current exists on the hood body may paralyze hands	The power socket is not grounded well	Use single-phase three-pole socket and well grounded
4	Abnormal sound during impeller running	The impeller is loose, and the cap is not tightened	Tighten the cap
5	No oil in the oil cup after a period of time	The hood body is tilt	Adjust the hood body to the horizontal state
 Warning	1.When connecting or replacing the plug, please unplug the power plug. 2.If the range hood's power cords are damaged,it must be replaced by our company's professional maintenance staff.		

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