

# 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](mailto:overseas@robam.com), request for an electronic manual.

## **CXW-218-A651**

### Range Hood

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## Dear users:

Thank for your buying our range hood. Please accept our best regards. Please read this user manual carefully before installation and operation.

\*The pictures in this manual only for your reference. If the picture isn't accord with object, subject to object. We keep to right to update appearance, structure or products without notice.

## Safety Precaution

In order to avoid harm or property damage to the users or other person, the following distinction and marks are stipulated. They are important safety precaution, please comply strictly based on the full understanding.

### 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.

 Danger	
 Prohibit	Don't allow children or weaking 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.

## Warning

 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>There is a fire risk if cleaning is not carried out in accordance with the instructions.</p>
 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>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.</p>

## Notice

 <b>Prohibit</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>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 be wear avoiding from injury.</p>
 <b>Strict Execution</b>	<p>The temperature for range hood working can't exceed 40°C.</p>

### Notice

 <b>Strict Execution</b>	<p>Because the installation is difficult and hood is heavy, the installation shall be executed by professional person based on manul.</p>
 <b>Strict Execution</b>	<p>Don't break electric wire or other invisible equipment when cutting something or drilling holes on ceiling.</p>
 <b>Strict Execution</b>	<p>When range hood is using in well sealed building, it should have air inlet or open door to ensure good ventilation.</p>
 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>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.</p>
 <b>Strict Execution</b>	<p>Accessible parts may become hot when used with cooking appliances.</p>
	<p><b>DISPOSAL:</b> 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.</p> <p>By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.</p>

## 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-218-A651	Noise	≤53dB
Power Supply	220V~ 50Hz	Rated Power Input	220W
Total Pressure Efficiency	≥23%	Rated Main Motor Power Input	218W
Nominal Wind Pressure	330Pa	Lamp Power (max)	≤2W
Max static pressure	400Pa	Dimension (L×W×H)	(700×358×500)mm
Airflow	1020m <sup>3</sup> /h	Net Weight	18kg
Normal Odour Reduction Factor	≥98%	Grease Absorption Factor	≥91%

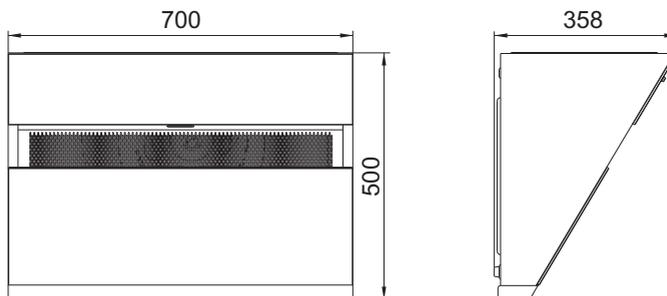
Note : 1. The performance test results are all in 220V~ 50Hz power supply environment. The airflow in according to IEC61591, the noise in according to IEC60704.

2. The tolerance between listed of airflow, nominal wind pressure,max static pressure and actual data should be less than 10%.

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)



## Packing List

Please check the contents of the box after unpacking

Packing List	No.	Name	Quantity	No.	Name	Quantity
	1	Range hood	1	6	ST4.2×8 self-tapping screw	6
	2	∅175(outer diameter) aluminum exhaust pipe	1	7	M6 metal expansion pipe	2
	3	Exhaust pipe tape		8	Hitching foot stopper	2
	4	User manual	1	9	Hitching foot	2
	5	Check valve	1			

## Installation

### Warning

- 1.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.
- 2.Note that when installing the metal expansion pipe, the pipe shall match with the hole in size. Overlarge hole is prohibited, as it will result in loose pipe and accidental drops.
- 3.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.
- 4.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.
- 5.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.

### 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.

● 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.

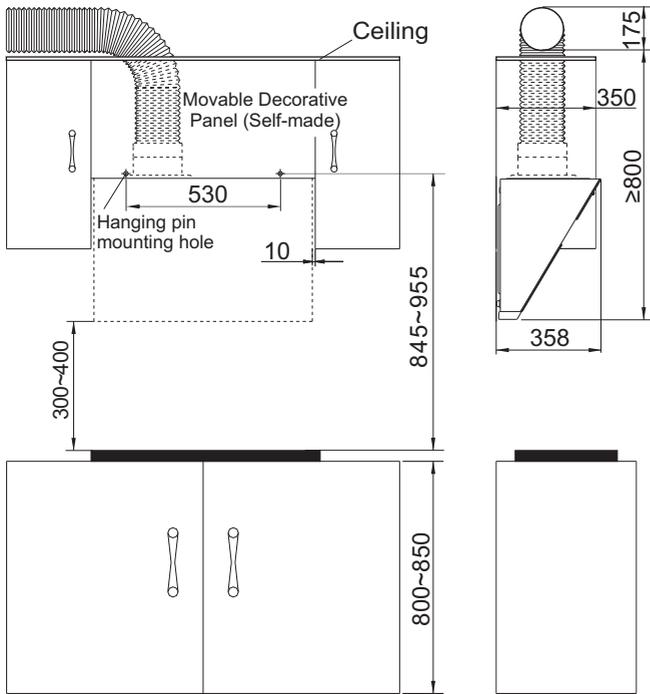
● If the power cord is damaged, in order to avoid danger, it must be replaced by manufacturer, professionals of its maintenance department or similar departments. Please do not carry out restructuring, stretching, knotting and squeezing or apply heavy objects to the power cord, etc., otherwise it may cause power cord damage easily, leading to accidents such as electric shock and fire disaster, etc.

● After installation, please clean the surface of the hood, and then supply power for test run.

## Installation

Note: All data units in the following diagram are expressed in mm.

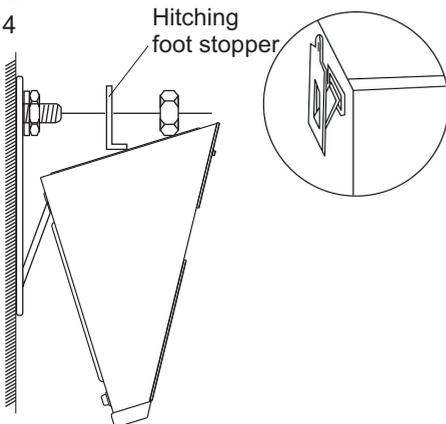
Figure 1



Cabinet dimensions are for reference only

● **Determine the location:** The distance between the installation holes is 530mm, the two holes are kept horizontal, and the size of the ceiling hole is shown in figure2.

Figure 4



● **Installing the machine body:** Install the machine body into the hanging leg (the hanging hole is on the upper side of the back of the machine body). after the machine body is aligned, install the hanging leg limiting block and tighten the nut (to prevent the machine body from unhooking under the action of external force).

Figure 2

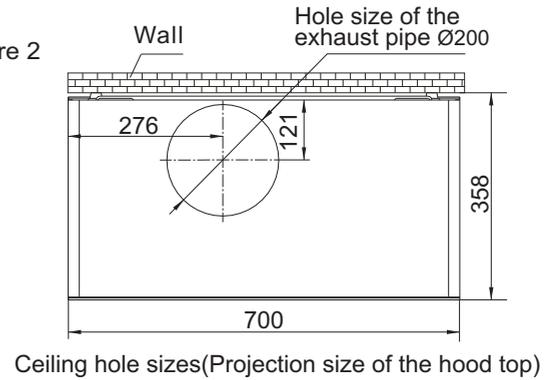
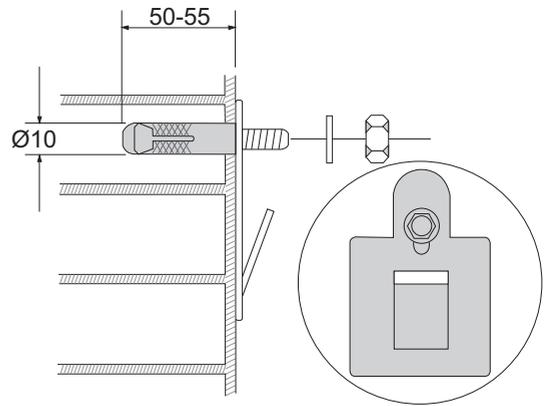
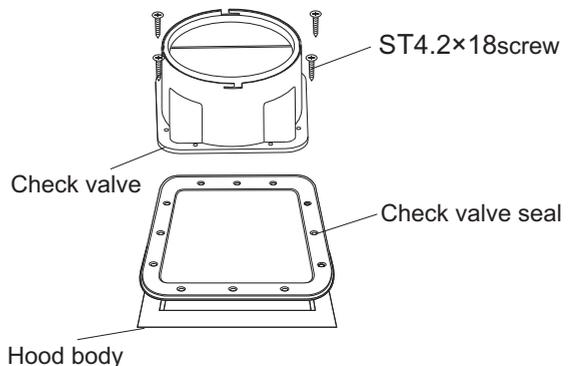


Figure 3



● **Installation of hanging feet:** Drill holes at a certain position with a hole depth of 50-55mm and a hole diameter of 10mm (not too large). Insert M6 metal expansion pipe into the hole, install hanging feet, gaskets and tighten nuts.

Figure 5



● **Installation of check valve:** As shown in the figure, fix the check valve sealing ring and check valve at the air outlet at the top of the body with 8 ST4.2 × 18 self-tapping screws.

## Install the aluminum exhaust pipe

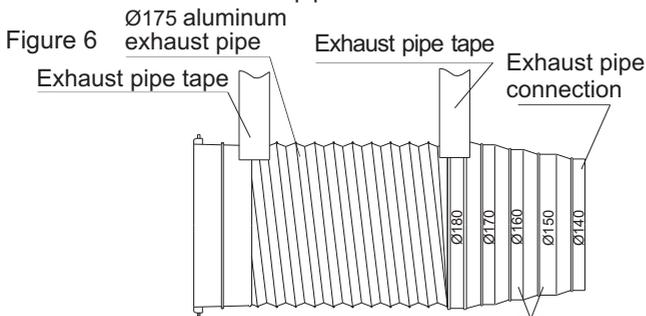
### ●Drilling position of the aluminum exhaust pipe (public flues do not require drilling)

- 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

Insert the end of aluminum exhaust pipe without fixed strip to the pipe connection and stick with tapes, then straighten the aluminum exhaust pipe and connect it to the public flue outlet (If there is no public flue, please straighten the aluminum exhaust pipe to the outdoors). This can be done directly when the public flue outlet or wall hole is larger than the aluminum exhaust pipe. Otherwise, there are five types of pipe small ends (OD:140,150,160,170 and 180 respectively) to be chosen from according to the hole size. Then cut the excess part smaller than public flue outlet or wall hole with scissors.

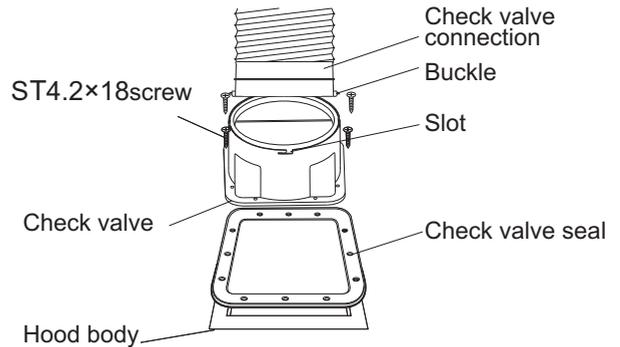
Then insert the end of the aluminum exhaust pipe with fixed strip in the outer ring of the check valve connection and seal with exhaust pipe tapes. At last, put four snaps of the check valve connection in corresponding slots, and rotate them clockwise to fix the exhaust pipe to the check valve.



Cut the excess part smaller than the hole

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

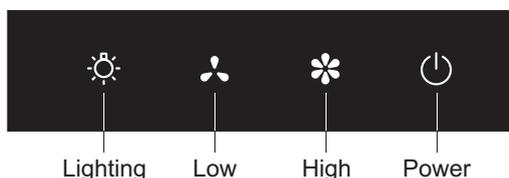
Figure 7



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 check valve connection or public flue connection must be flexible. Suggestion: When the range hood is matched with the boss's smoke check valve, there is no need to install the check valve blade.

## User Manual

### Switch control panel



 <p>Lighting</p>	<p>After the power supply of the range hood is turned on, press the bright key to turn on the lighting lamp, and then press this key to turn off the lighting.</p>
 <p>Low</p>	<p>After the power supply of the range hood is turned on, press the weak gear key, and the impeller rotates at a low speed to smoke (i.e. The weak gear is turned on). If you press the strong gear key again, you will switch to the strong gear.</p>
 <p>High</p>	<p>After the power supply of the range hood is turned on, press the strong gear key, and the impeller rotates at high speed to smoke (i.e. The strong gear is turned on). If you press the weak gear key again, you will switch to the weak gear.</p>
 <p>Power</p>	<p>Press the power key, the icon of the power key will be on for a long time, and the product will be on.</p> <p>(1) If only the lighting lamp is on, press the power key to turn off the lighting lamp directly;</p> <p>(2) If the fan is working, press the power key again, the icon of the power key will flash, the cigarette machine will enter a delayed working state, and all functions will be automatically turned off after 1 minute;</p> <p>(3) If the power key icon flashes, press the power key again to turn off all functions;</p> <p>(4) In the startup state, if there is no operation within 3 minutes, it will enter the shutdown state.</p>

## Maintenance

### Warning

1. There is a fire risk if cleaning is not carried out in accordance with the instructions.
2. Cleaning and maintenance shall be conducted under outage. Electrical components such as motor, switch, and connector shall not be spoiled by water so as to prevent from accidents.
3. It's prohibited to wash with water so as to prevent accidents.
4. 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.
5. 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.
6. Accessible parts may become hot when used with cooking appliances.

### Notice

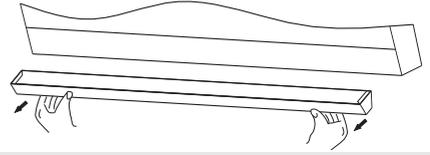
- The hood shall be cleaned and maintained regularly depending on the surroundings, so as to keep its cleanness & efficiency and extend its service life.

We recommend that: Clean the outer surface of range hood after each cooking.

To ensure smooth discharge of fumes, the protective screening 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 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.



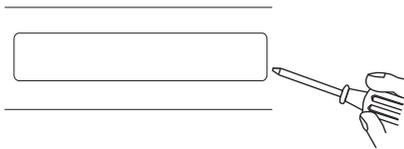
## Removal of Components

### ⚠ Warning

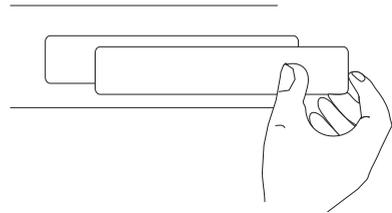
1. As a general rule, the hood body does not need to remove, and removal shall be done by professional maintainers. Nonprofessionals are forbidden to remove, install and repair the hood.
2. Before cleaning, installation or maintenance for the range hood, cut off the power supply to avoid electric shock.

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.

### Removal of light



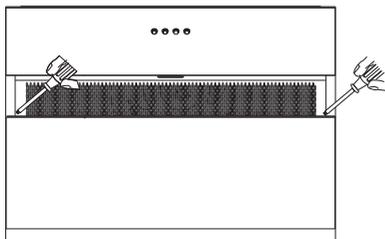
Insert a small flat head screwdriver or something sharp in the gap between the light cover and hood.



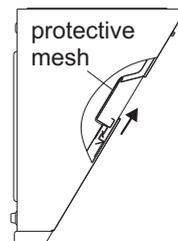
Raise the spotlight outward forcibly to remove it from the hood. Pull out the connector to replace the spotlight.

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

### Removal of protective mesh



Turn the 2 screws on the left and right sides of the protective net counterclockwise for 3-5 turns with a Phillips screwdriver.



Push the lower half of the protective net inward by hand, and then lift it obliquely upward as shown by the arrow to extract the protective net.

## Removal and installation of the whole body

Removal steps:

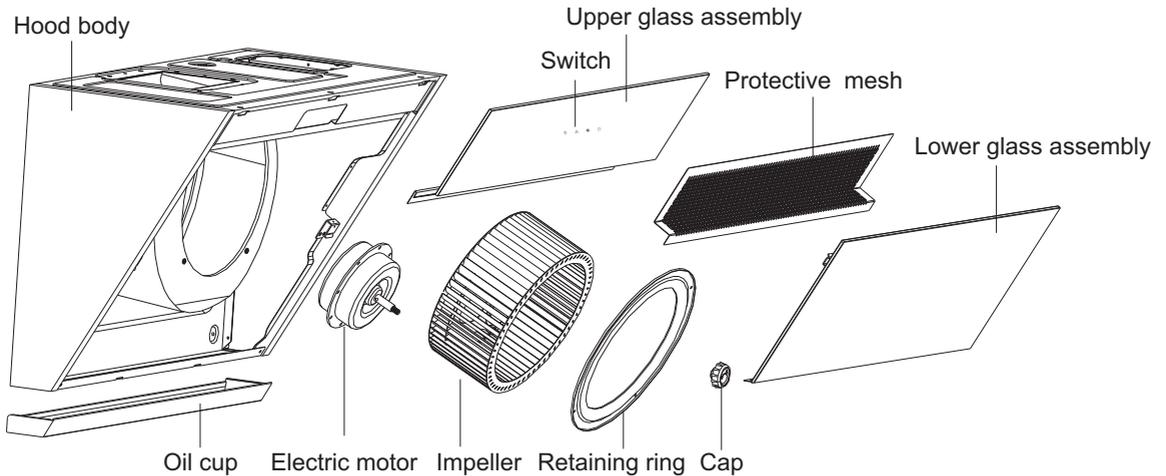
1. Unplug the power plug;
2. Take out the protective net (see "Disassembly of Protective Net" for details);
3. Unscrew 2 screws under the upper glass combination and 3 screws at the top, and take out the upper glass combination;
4. Unscrew 2 screws on the switch and take out the switch;
5. Unscrew the 3 screws at the bottom of the lower glass combination and take out the lower glass combination;
6. Unscrew 4 screws on the retaining ring and take out the retaining ring;
7. Unscrew the cap clockwise and take out the impeller vertically.

The installation step is the opposite of the disassembly step.

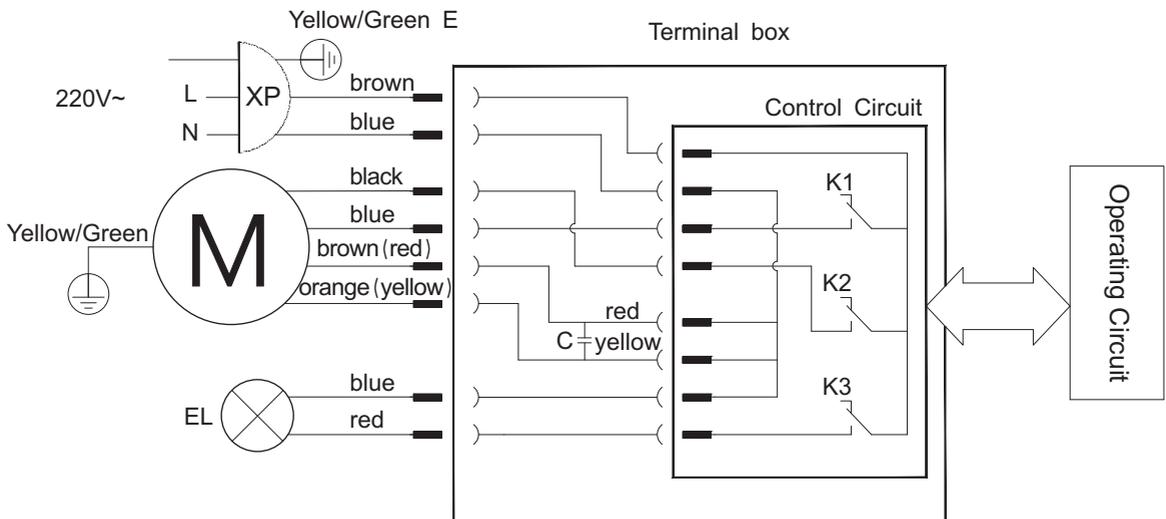
(When installing the impeller, please apply some lubricating oil to the shaft hole of the impeller.)



In general, the range hood body does not need to remove. The removal needs to be completed by professional maintenance staff.



## Circuit Diagram



## Troubleshooting of general faults

No.	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 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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**ROBAM**