

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-220-A828

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 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.









Danger


 Strict Execution	<p>Unplug before cleaning, installing or maintaining, avoiding from electric shock.</p>
 Strict Execution	<p>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.</p>
 Strict Execution	<p>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.</p>



Warning

 Prohibit Disassembly	<p>Range hood must be installed, disassembled or maintained by professional person.</p>
 Prohibit	<p>Put out the stove fire in time when it is not used. That the stove fire bakes the range hood directly is prohibited. Do not barbecue food directly under the range hood lest the range hood is damaged and an accident should occur.</p>
 Prohibit Touch	<p>Don't touch bulb if it's on or just close in short time, or it may cause scald.</p>
 Strict Execution	<p>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.</p>
 Strict Execution	<p>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.</p>
 Strict Execution	<p>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.</p>








 **Warning**

 Strict Execution	All operation must comply with our safety guidelines as well as local safety regulations.
 Strict Execution	If the range hood will be used with the kitchen range burning gas or other fuels, the room must be well ventilated.
 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.
 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	It may get fire if cleaning range hood not in accordance with manual.
 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	Accessible parts may become hot when used with cooking appliances.

 **Notice**

 Prohibit	The gas from range hood shall not be exhausted to hot flue used for burning gas or other fuels.
 Prohibit	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.

Notice

 Strict Execution	<p>The temperature for range hood working can't exceed 40°C.</p>
 Strict Execution	<p>Because the installation is difficult and hood is heavy, the installation shall be executed by professional person based on manual.</p>
 Strict Execution	<p>Don't break electric wire or other invisible equipment when cutting something or drilling holes on ceiling.</p>
 Strict Execution	<p>When range hood is using in well sealed building, it should have air inlet or open door to ensure good ventilation.</p>
 Strict Execution	<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>
 Strict Execution	<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>
	<p>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.</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. 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.

Product Description

Technical Data

Model	CXW-220-A828	Noise	≤56dB
Power Supply	220-240V~ 50Hz	Rated Whole Machine Input Power	224W
Total Pressure Efficiency	≥23%	Rated Main Motor Input Power	220W
Nominal Wind Pressure	340Pa	Max Lighting Power	≤4W
Maximum Static Pressure	420Pa	Dimension (L×W×H)	895×504×640(mm)
Airflow Rating	1140m ³ /h	Net Weight	26kg
Normal Odor Reduction Degree	≥98%	Grease Separation Degree	≥92%

Note: 1. The airflow rating in according to European Standard EN61591 Ø150,175.

2. The tolerance between measured value of airflow rating, nominal wind pressure, maximum static pressure and expressed value shall not be larger than -10% of expressed value.

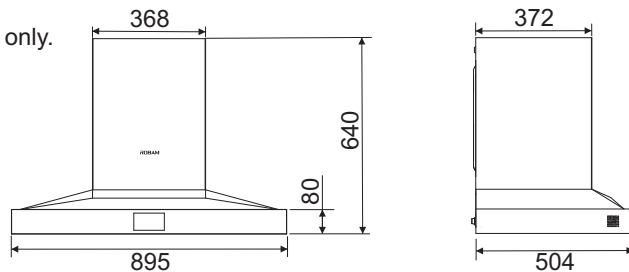
3. When turbo function is enabled, the airflow rating is 1200m³/h.

Body Size

The marked sizes are for reference only.

The height of drawing panel is 330.

(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	11	ST4×60 wood screw	4
	2	Ø175(outer diameter) aluminum exhaust pipe	1	12	Hitching foot stopper	1
	3	Exhaust pipe connection		13	M6 metal expansion pipe	1
	4	Exhaust pipe fixed strip		14	Hitching foot	1
	5	Exhaust pipe tape		15	Torsion spring rubber sleeve	2
	6	Plastic expansion pipe		16	Torsion spring shaft sleeve	2
	7	User manual	1	17	Left and right panel torsion spring	1 for each
	8	Check valve	1	18	Torsion spring protective sleeve	2
	9	Oil cup	1	19	M4×10 countersunk head screw	2
10	ST4×18 self-tapping screw	10				

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 product is only for daily use and please do not use it under special environment (e.g. outdoor); nor can it be used to exhaust hazardous or explosive substance or gas. Before assembly, the product shall be placed in environment which is dry, ventilated without corrosive and harmful gas in the surrounding.

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

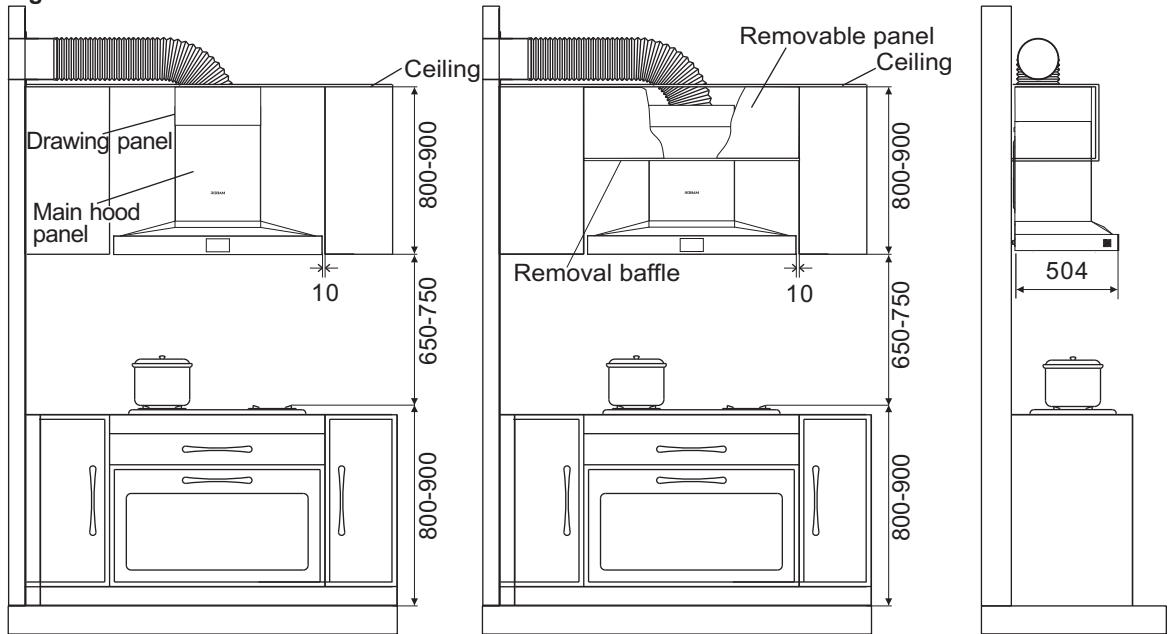
● **Determine the position:** The removable baffle can be adjusted according to the actual situations. The installation pitch of holes is shown in Figure 2. The hood body shall be centered vertically and kept level.

Ceiling hole size is shown in Figure 3.

⚠ **The hood shall be installed right above the hob. The minimum distance between the bearing surface of cooking appliance and the lowest part of hood is 650mm (Larger space specified in the installation instruction of gas hob shall be considered. The distance for electric cooker may be reduced appropriately, depending on the actual situations).**

Note: If the one side of the range hood is installed against the wall, the space between the air quality inductive probe on the left side of the hood body and the wall must larger than 150mm.

Figure 1



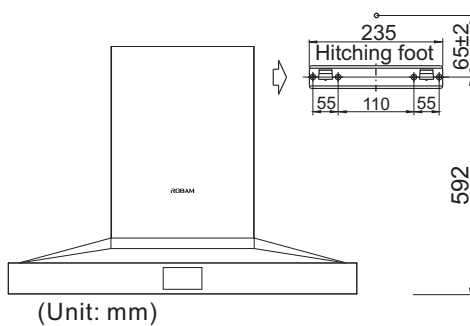
(Figure 1-1 Installation method of hood without removable baffle)

(Figure 1-2 Installation method of hood with removable baffle)

(Unit: mm)

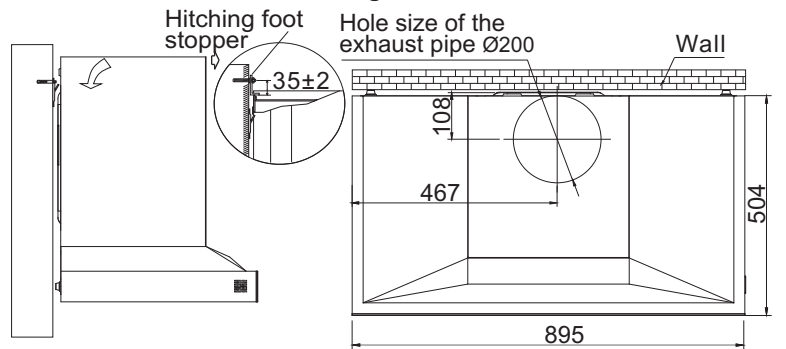
● **Install hitching feet:** according to the size of the hitching feet, drill four 60-70mm-deep holes on the wall accordingly with an 8mm-diameter drill bit (overlarge holes are prohibited). Press the expansion pipe into the holes, and then fix the hitching feet with 4 accompanying ST4×60 wood screws. Drill a hole with diameter of 10mm and depth of 50-55mm at the position 65mm above the four holes and insert the M6 metal expansion pipe into the hole. (Figure 2)

Figure 2



(Unit: mm)

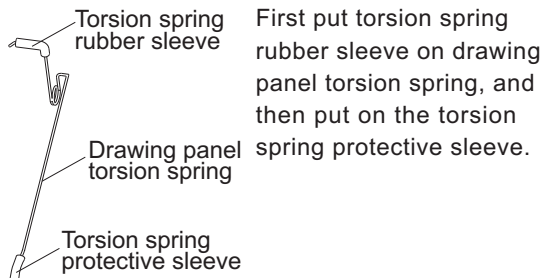
Figure 3



Ceiling hole sizes(Projection size of the hood top)

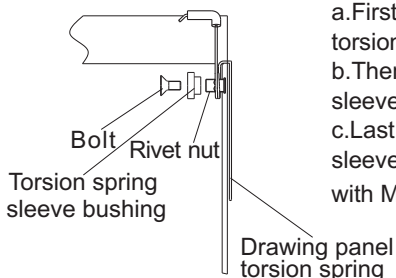
● **Install drawing panel torsion spring** (Note: please take this step before the hood body is fixed)

Figure 4-1



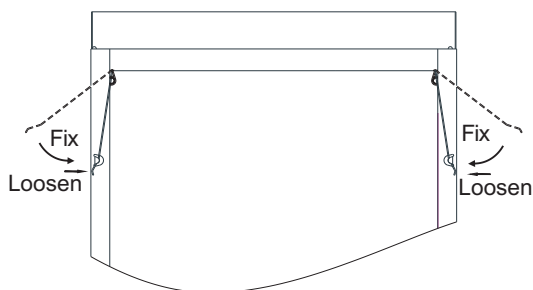
First put torsion spring rubber sleeve on drawing panel torsion spring, and then put on the torsion spring protective sleeve.

Figure 4-2



a. First insert the drawing panel torsion spring in the rivet nut; b. Then put the torsion spring sleeve bushing on the rivet nut; c. Last fix the torsion spring sleeve bushing and rivet nut with M4×10 bolts.

Figure 4-3



Push the drawing panel torsion springs on both sides of the drawing panel from the dotted line position to solid line position for fixing as shown in Figure.

● **Install the hood body**

Fix the check valve as shown in Figure 6. Then align the hanging holes in the back of hood with the hooks of hitching feet according to Figure 2, and press them together. Shake the body to check if it's hung securely. After the body is mounted, install the hitching foot stopper and gaskets to the M6 metal expansion pipe, and then tighten the nuts (to prevent accidental decoupling of the body under external force).

● **Fix the drawing panel**

As shown in Figure 1-1, there is certain gap between the drawing panel and the top plate. Loosen the drawing panel torsion spring as shown in Figure 4-3, then push the drawing panel against the top plate and fix the drawing panel torsion spring, then remove the protective film at last.

(If installation method in Figure 1-2 is adopted, there's no need to adjust and install the drawing panel)

Install the aluminum exhaust pipe

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

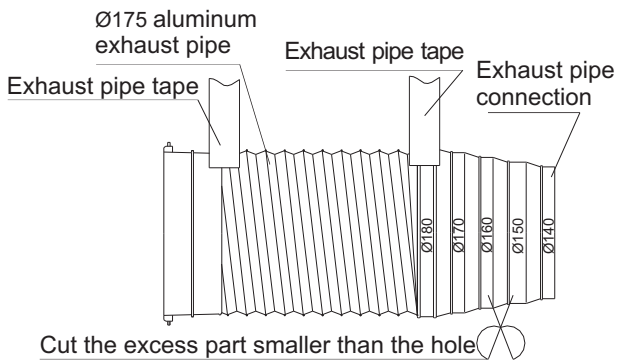
- Aluminum exhaust pipe and hob facing the window: Remove one of the glasses and install a plywood with ventilation holes or punch directly on the glass.
- Hob away from the window: Install the aluminum exhaust pipe through the window that is close to the hob and connected outside; or install it by punching 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.

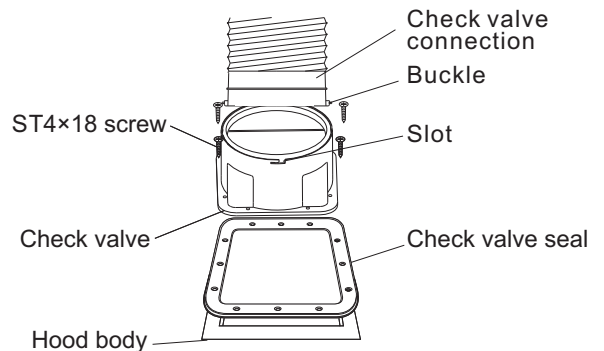
Then insert the end of the aluminum exhaust pipe with fixed strip in the outer ring of the check valve connection and seal with exhaust pipe tapes. At last, put four snaps of the check valve connection in corresponding slots, and rotate them clockwise to fix the exhaust pipe to the check valve.

Figure 5



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 6



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.








User Manual

Switch control panel

Plug in with a tick from buzzer, double click the screen, and then enter the home screen interface. This product has a total of three home screen interfaces, and the user can also choose by sliding left and right.

Home screen interface (1)



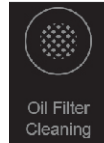
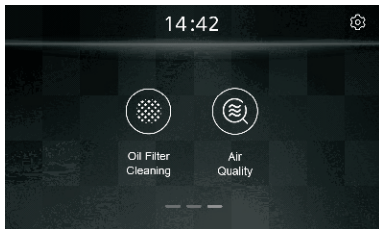
 <p>Timing</p>	<p>Click the “Timing” icon, and the icon turns yellow, then enter time setting interface. The user can set alarm time from 1 to 60 minutes. After completing the setting, enter countdown interface, and click the “Home Page” icon on the top–left corner to return to home page. When the alarm time is up, there will be a prompt tone. Click the “Close” button on the prompt page to turn off the alarm; if not, the alarm will ring again every 9 minutes.</p>
 <p>Light</p>	<p>Click the “Light” icon, then the icon turns yellow, and the light is on. Click this icon again, the light is off.</p>
 <p>Turbo</p>	<p>Click the “Turbo” icon, and the icon turns yellow, then the turbo function is turned on, while the 3-minute countdown in screen starts. After the end of timing, it will automatically switch to Level 3 and jump to volume page.</p>
 <p>Volume</p>	<p>Click the “Volume” icon, and the icon turns yellow, then enter volume interface. At this time, Level 3 fan starts by default, and the icon of corresponding level turns yellow. The user can also re-select the icon “Level 1”, “Level 2”, “Level 3”, or “Stir-frying” to close or adjust volume.</p>
 <p>Power</p>	<p>Click the “Power” icon, and the icon turns yellow, then enter the off page. Click “Confirm” again, the countdown for shutdown starts in screen. It will automatically shut down after the timing is up. If other functions are running when clicking the “Off” icon, then it will always stay at standby clock page unless the artificial shutdown.</p>
	<p>Each home screen interface has a “Setting” icon at the top–right corner. Click this icon, and enter “Setting” page in which the user can adjust screen brightness, time, delay shutdown time and standby setting time.</p>
 <p>Screen Brightness</p>	<p>Click the “Screen Brightness” icon and enter the brightness adjustment page to adjust screen brightness.</p>
 <p>Time Adjustment</p>	<p>Click the “Time Adjustment” icon and enter the time setting page to set system time.</p>
 <p>Delayed Power Off</p>	<p>Click the “Delayed Power Off” icon to set the shut down time with 1 minute for default and 1-5 minutes for adjustment scope.</p>
 <p>Stand by Setting</p>	<p>Click the “Stand by Setting” icon to set the system standby time with 5 minute for default and 1-5 minutes for adjustment scope. Recover to the previous operating page by clicking.</p>

Home screen interface (II)

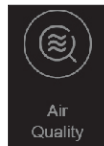


In this interface, there are a total of five menus available for user, including classic chinese cooking, western food, creative chinese food, delicious seafood, special chinese food. Click corresponding icon and enter corresponding menu page for details.



Home screen interface (III)



Click the “Oil Filter Cleaning” icon to enter oil screen detection interface. The green ball indicates clean, orange one indicates a little dirty and red one indicates very dirty. When used for 60 hours, there will be a prompt box to remind user to clean oil screen.



Click the “Air Quqlity” icon once to start intelligent purification function (intelligent control) and enter the intelligent purification detection interface, then the air quality can be displayed after 5 minutes. Click the “Intelligent Purification” icon again to shut off this function.

Note: During operation, click the icon  to jump to home page, or click the icon  to return to parent menu.

Maintenance

Warning

1. There is a fire risk if cleaning is not carried out in accordance with the instructions.
2. Cleaning and maintenance must be done when the power is disconnected. Keep the electrical components (e.g. motors, switches and connectors) away from water. Do not touch the power plug, electrical parts, and power switch with wet hands.
3. It is forbidden to flush the range hood directly with water for fear of any accidents.
4. Extinguish the fire in time if the oven is not in use. It is forbidden to toast the range hood directly and also forbidden to barbecue directly under the hood for fear of damaging the hood and causing any accidents.
5. 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.

Considerations

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

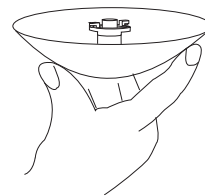
We recommend that: Clean the outer surface of range hood after each cooking.

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, and should avoid the contact between detergent and control buttons.

● 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. When the oil reaches above 2/3 of the cup, rotate the cup rightwards by hand for removal and then pour out the waste oil, as shown in right.
- The range hood shall be started before cooking.
- Please unplug it during long-term shutdown, but please do not pull hard.



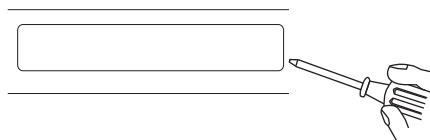
Removal of components

⚠ Warning

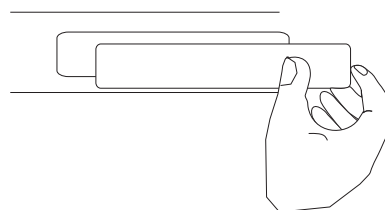
1. As a general rule, the hood body does not need to remove, and removal shall be done by professional maintainers. Nonprofessionals are forbidden to remove, install and repair the hood.
2. Before cleaning, installation or maintenance for the range hood, cut off the power supply to avoid electric shock.

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

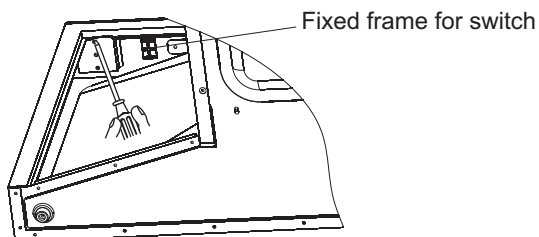


Insert a small flat head screwdriver or something sharp in the gap between the light cover and hood.



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

Removal of LCD screen combination



Firstly, unscrew 6 screws at the back of top cover plate and 2 screws of light aperture to take out the top cover plate; Secondly, remove switch fixing bracket on both sides, and use cross screwdriver to unscrew 4 screws on both sides of glass fixing bracket and then move the whole panel to the left so as to remove the LCD screen combination.

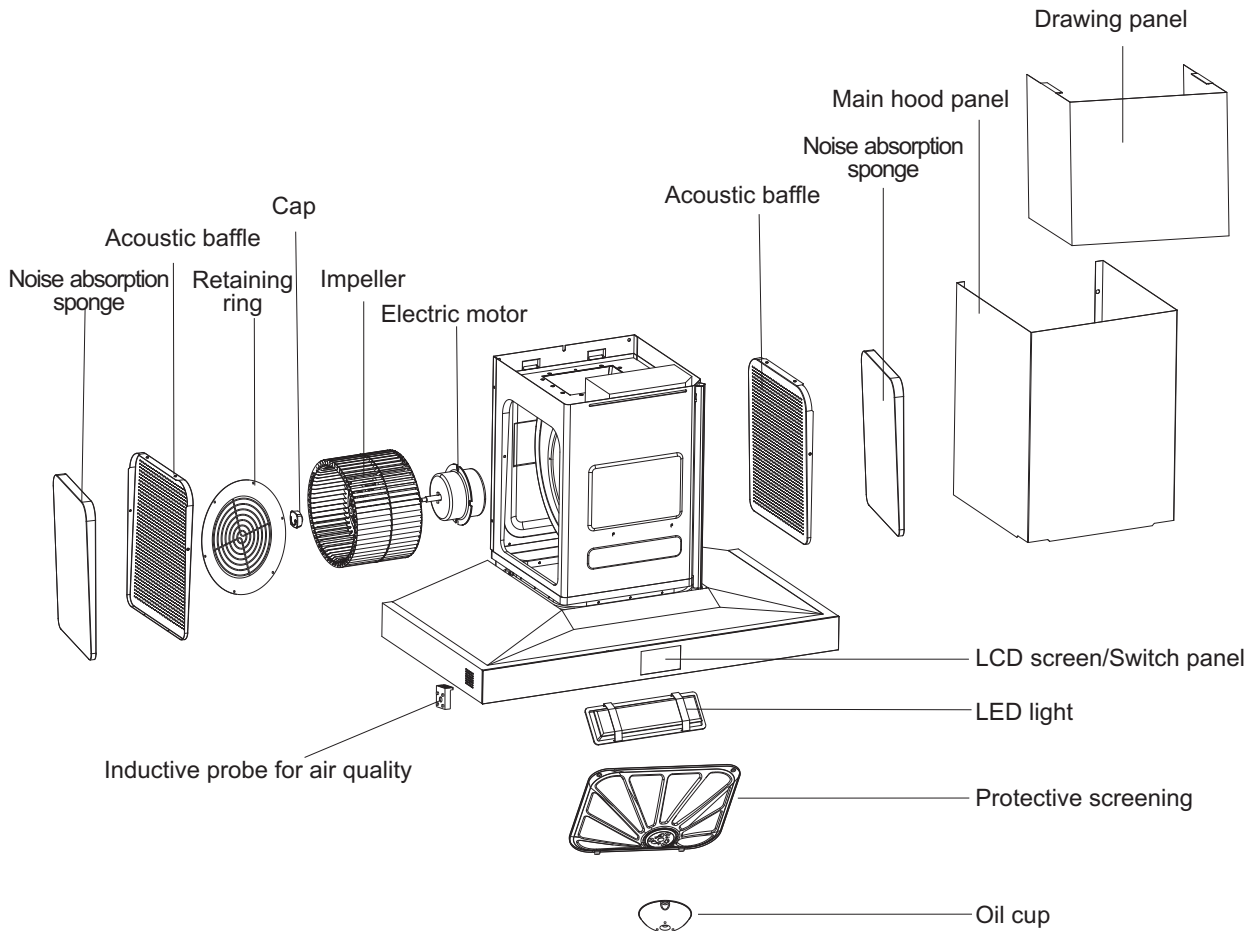
Removal and installation of the whole body

Removal steps:

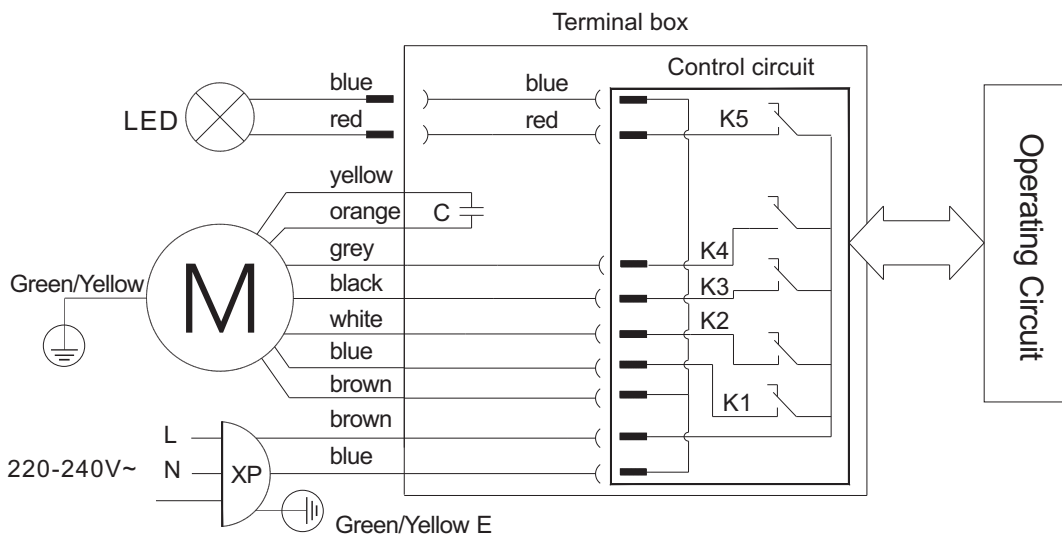
1. Pull out the plug;
2. Unscrew the four screws from the back of the main hood panel. Tilt the panel forward to a certain angle, and then pull it up forcibly;
3. Remove the drawing panel from the main hood panel;
4. Remove the sound absorption sponge first, and then use a cross screwdriver to unscrew the fastening screws on acoustic baffle to remove the baffle;
5. Unscrew the fastening screws on the retaining ring to remove the retaining ring;
6. Unscrew the cap clockwise and take out the impeller vertically;
7. After removing the oil cup, align the cross screwdriver with the screw hole of filter mesh and raise it upward forcibly, meanwhile rotating it counter-clockwise about 90° to get rid of the screw, then hold the screw and pull down the mesh so as to remove the mesh toward oblique beneath. The installation steps are opposite to the removal steps. (When you install the impeller, please rub some lubricating oil on the shaft hole of it.)

Note: Step 3 is unnecessary if no drawing panel is installed.

! 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

Serial number	Fault	Cause	⚠ Warning
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	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. 3. The flame is strictly prohibited being sucked into the machine in case of accidents.
2	Pressing the lighting icon, the headlamp is not lit	The light is damaged or poorly connected	
3	Induced current exists on the hood body may paralyze hands	The power socket is not grounded well	
4	Abnormal sound during impeller running	The impeller is loose, and the cap is not tightened	
5	No oil in the oil cup after a period of time	The hood body is tilt	

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Edition: A/1

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ROBAM