FOTILE

RANGE HOOD

User Manual | EMS9019/EMS9020

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

HTDM0010

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.

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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.

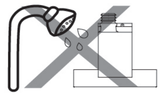
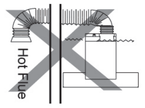
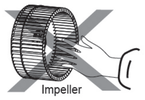
⚠ Strictly execute

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.
Safety Guideline	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.
ON OFF	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.

	Make sure the exhausting pipe can reach outdoors to avoid the fire and keep the fresh air in the room. Please don't make the waste gas stay indoor, loft, garage, etc. (This is only for ducted range hood)
T≤40℃	The working temperature should not be more than 40℃.
	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.
ON OFF	Before install, clean or repair the range hood, please make sure cut off the power to avoid the electric shock. And wear protective golves to avoid your hands being hurt by range hood metal panel.
ON OFF	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.
ON OFF	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.

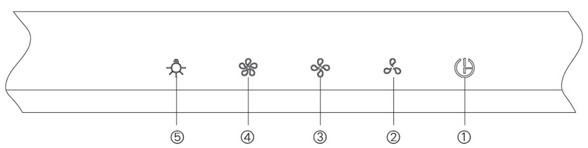
⚠ Forbidden

	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.
	The waste air from the range hood couldn’t share the same flue with other imflamble gas.
	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.

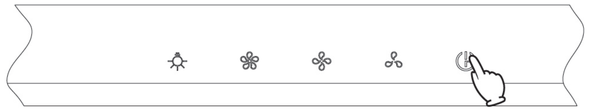
Control panel of EMS9019/EMS9020



1.Power/Timer/Lock
2.Low speed
3.Middle speed
4.High speed
5.Illumination

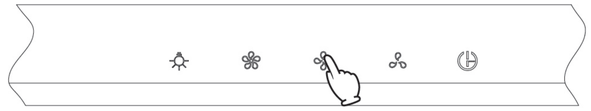
Operation Instruction

■ Turn On/Off, Time delay Function, Screenlock Function



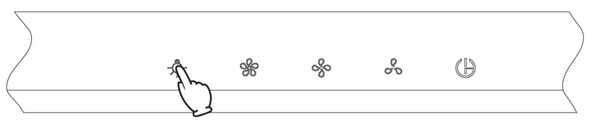
If you want to turn on the rangehood , please press the key, the rangehood is on standby, then you can press another key. If you don’t have any operation on standby, it will be turned off automatically.
If you press the key when the rangehood is working or on standby, it also will be turned off automatically after 2 minutes, and the light indicator will be flashing.
During off state, Press the “⏲” key at least with 3 seconds, the ranghood beeps once, LED6 flashes on, all keys will be locked, and clicks invalid, the ranghood will emits a beep; then press “ ⏲” at least with 3 seconds, the screenlock function is canceled and resume.

■ Suction Function



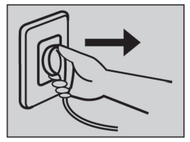
You press the “ ❀ ”key, the light indicator will show “on”, the relevant working condition is “strong power”. Press the “❀”key again, the light indicator will show “off ”, the relevant working condition is “off ”.
You press the “✤”key, the light indicator will show “on”, the relevant working condition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

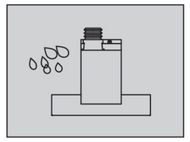


Press the “☼”key, the light is turned on, and press the key again, the light is off.

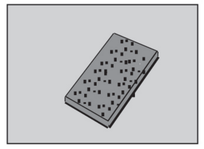
Cleaning and Maintenance



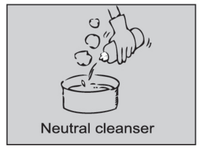
1.Cut off the power before cleaning.



2.All electric parts including motor, switch, etc. should be away from water.

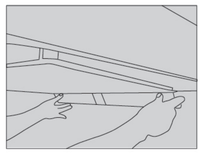


3.Please don't clean the surface with rough material like steel wire ball, brush or coarse cloth, etc. It will greatly scratch the surface.

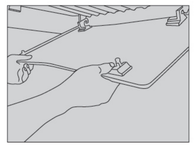


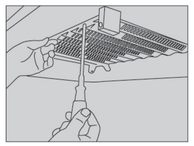
4. Please don't clean with gasoline, acidic substance, benzene, solvent and other chemical agents. If you need to clean, please use neutral cleanser, and wipe dry the appliance surface by soft cloth after cleaning.

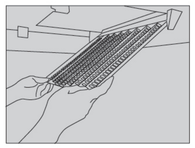
5. If the stainless steel panel is stained with salty liquor, disinfectant, bleaching powder and other cleanser, please wipe it by wet cloth at once and dry it by dry cloth.



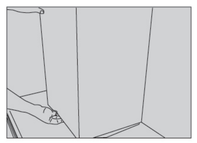
6. The two ends of the oil cup shall be held by both hands, maintain the horizontal level of the oil cup, and then move the oil cup towards the front side of the range hood, remove the oil cup and discharge the accumulated oil.



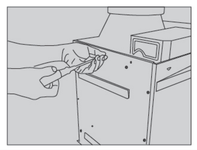




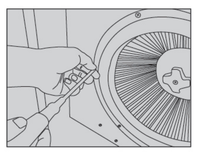
7. Firstly, hold the front end of ring suction plate with both hands, turn downwards, so that the fastener of ring suction plate is out of place, meanwhile turn downwards for certain degree, remove the ring suction plate. And then hold the air input cover with left hand, and unscrew the 2 screws fixed on the air input cover with cross-screwdriver by right hand, then remove the air input cover.



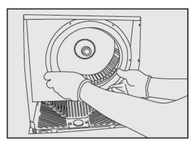
8. Remove the motor cover and decorative cover.



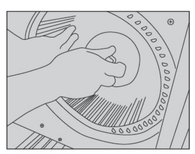
9. Unscrew the screws on the motor cover, and dismantle the motor cover.



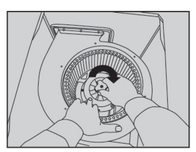
10. Unscrew the screws fixing on the air input ring, and remove the air input ring.



11. loosen the screw, take off the air inlet.



12. Unscrew the locknut in clockwise direction, and remove the vane.



13. Screw off the locknut clockwisely, Take out the impeller.

a. Pour out the gathering oil periodically according to the oil cup indication; please wipe the range hood surface once after every using the range hood; clean the air inlet outer cover and inner cover every three days; clean the impeller once every year (clean by professional people).
b. Please frequently clean the range hood surface, rectification plate and oil cup.

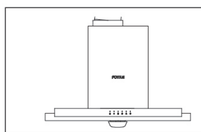
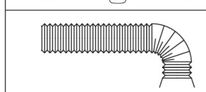
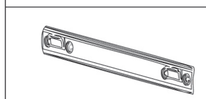
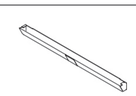
Normal Malfunction and Trouble Shooting

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
	Decorative Cover Pothook	1		Upper Seal Mat	1
	Cross Recess Head Self-tapping Screw ST 3.9x9.5	6		User Manual	1
	Expansion Pipeϕ10X60	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			

Installation Methods

⚠ Attentions

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

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.

⚠ Attentions

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 golves to avoid your hands being hurt by rang 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: Make sure the exhausting pipe can reach outdoors to avoid the fire and keep the fresh air in the room. Please don't make the waste gas stay indoor, loft, garage, etc. (This is only for ducted range hood)The waste air from the range hood couldn't share the same flue with other imflamble gas.

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

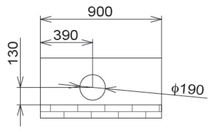
■ Installation Position

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.

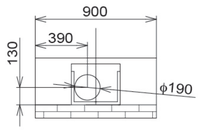
Installation Diagram of Hoods and Cabinets.

(Unit: mm)

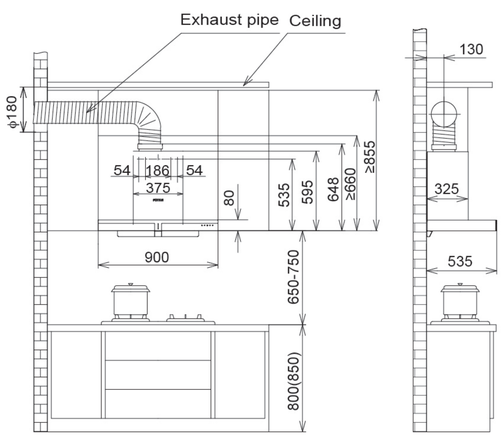
The built in dimension for the top exhaust pipe.



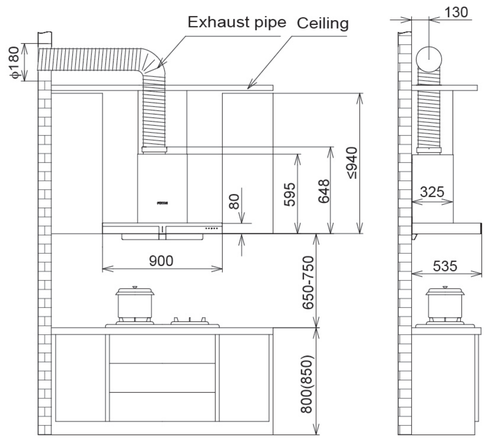
Installation diagram for the top decorative cover pothook.



Exhaust pipe through cabinet



Exhaust pipe through ceiling



Blower outer cover bottom and cabinet bottom should be even.

Preparation before installation

1.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.

2.Tool preparationPlease prepare the following tools before range hood installation.
(1) Impact electric drill (with drillbit of ϕ10mm) (2) Cross screwdriver
(3) Internal hexagonal wrench (M6) (4) Measuring tape
(5) Hammer

Installation Steps

1. Demount the two screws which is for fixing the blower outer cover, take down the blower outer cover and decorative cover. Reserve ϕ10mm drill bit for the impact electric drill.
2. Refer to Fig 1, set the right position on the wall to drill and then firmly imbed the expansion pipe. Insert wooden screws to tighten the fixed hook and decorative cover hook; you can also use two ST3.9X9.5 self-tapping screw to fix the decorative cover on the suspended ceiling.
3. Use eight M4×18 screws to fix the exhaust cover and sealing ring on the top of appliance.
4. Use ST3.9X9.5 self-tapping screws to fix the exhaust pipe on the exhaust cover.
5. Hang the hood firmly: face squarely- not slanting, side-looking-the hood will tightly stick the wall and a little lacune.
6. Install the exhaust pipe according to Fig 1: check the pipe shell is not bulging and not shriveled, curve freely. The exhaust pipe and wall should be tightly connected to prevent smoke back, the backflow barrier blade should be up and down smoothly.
7. Confirm the churn drilling hole position according to Fig 2, firmly imbed the expansion pipe, fix the safety block, and screw in the wooden screw to fix.
8. Blower outer cover and decorative cover installation.
   (1) Put the decorative cover inside of the blower outer cover.
   (2) Take up the blower outer cover and decorative cover meantime; inject the decorative cover into its pothook, then push the decorative cover and blower outer cover along the pothook assembly to the end.
   (3) After pushing the decorative cover and blower outer cover to the end, the blower outer cover will slip down slowly, and inject the blower outer cover buckle to the blower rack, then insert the blower outer cover to the gap which is between top panel and blower rack.

a. Please take down the blower outer cover before installation.
b. If you install the range hood matching with cabinet, then exchange Step (4) and Step (5).
c. Please select right drill bit according to the drilling place specific situation.

9. Installation of ring suction plate
   (1) Hold the front side of the ring suction plate firmly with both hands, and place the left and right pothooks on the rear side of ring suction plate into the left and right hook racks of the smoke collecting hood;

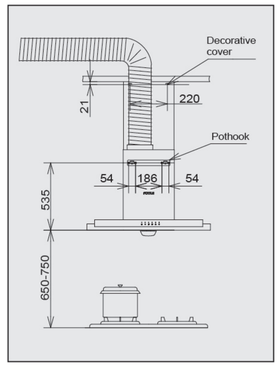


Fig.1

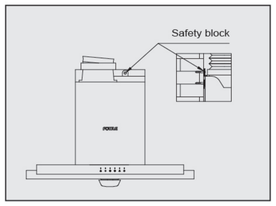


Fig.2

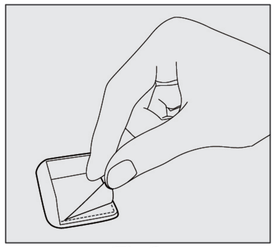


Fig.3

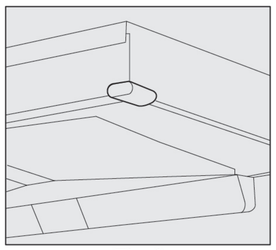


Fig.4

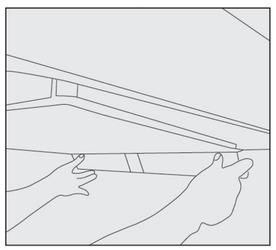


Fig.5

(2) Prop the ring suction plate with both hands, make it spiral upward, push in while the ring suction plate spirals, finally make the touch claw on the ring suction plate insert into he touch button on the smoke collection hood;

10. Install anti-collision accessories, firstly remove the double faced adhesive tape (see Figure 3), then stick the anti-collision accessories to the corner of the smoke exhaust (see Figure 4);
11. Install the oil cup assemblies(see Figure 5);
12. Insert the host power plug into the power outlet.

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

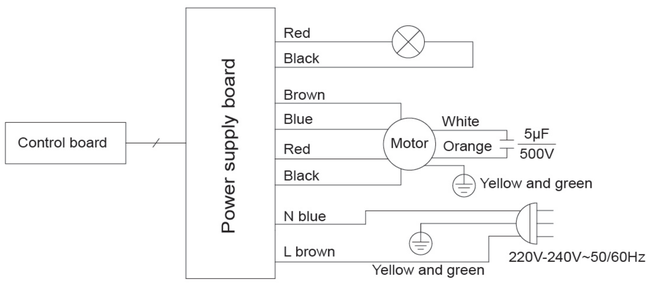
Model	Voltage	Frequency	Motor Power	LED Light Power
EMS9019/EMS9020	220-240V	50/60Hz	200W	2W

Exhaust model (exhaust pipe)

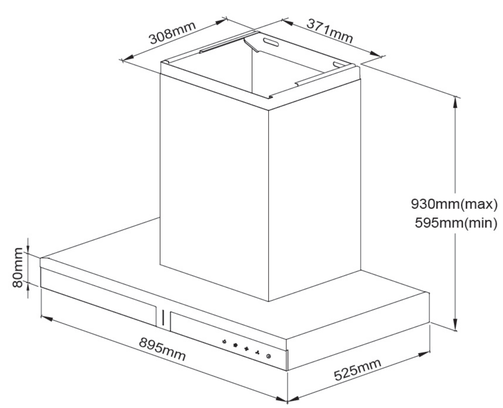
Model	Test By Free Air Exhaust State		Test By IEC Standard		
	Air flow(m^3/h)		Air flow(m^3/h)	Noise(dB)	Max Static Pressure(Pa)
EMS9019 EMS9020	Speed 1	930	880	52	350
	Speed 2	1100	970		
	Speed 3	1400	1100		

a. Air flow: Deviation between express value and measured value is less than 10% of the express value.
b. Noise, 52dB is sound pressure level. Weighted sound power level noise is 66dB.

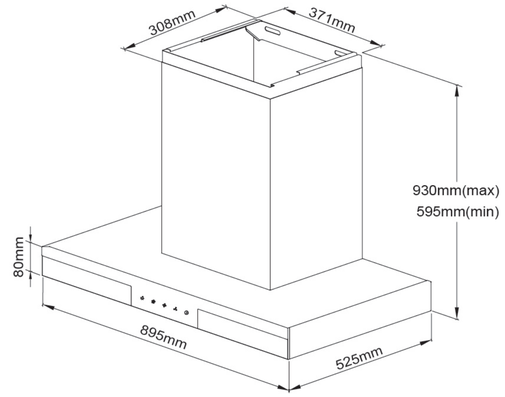
Electric Wiring Diagram



Product Basic Conditions



EMS9019



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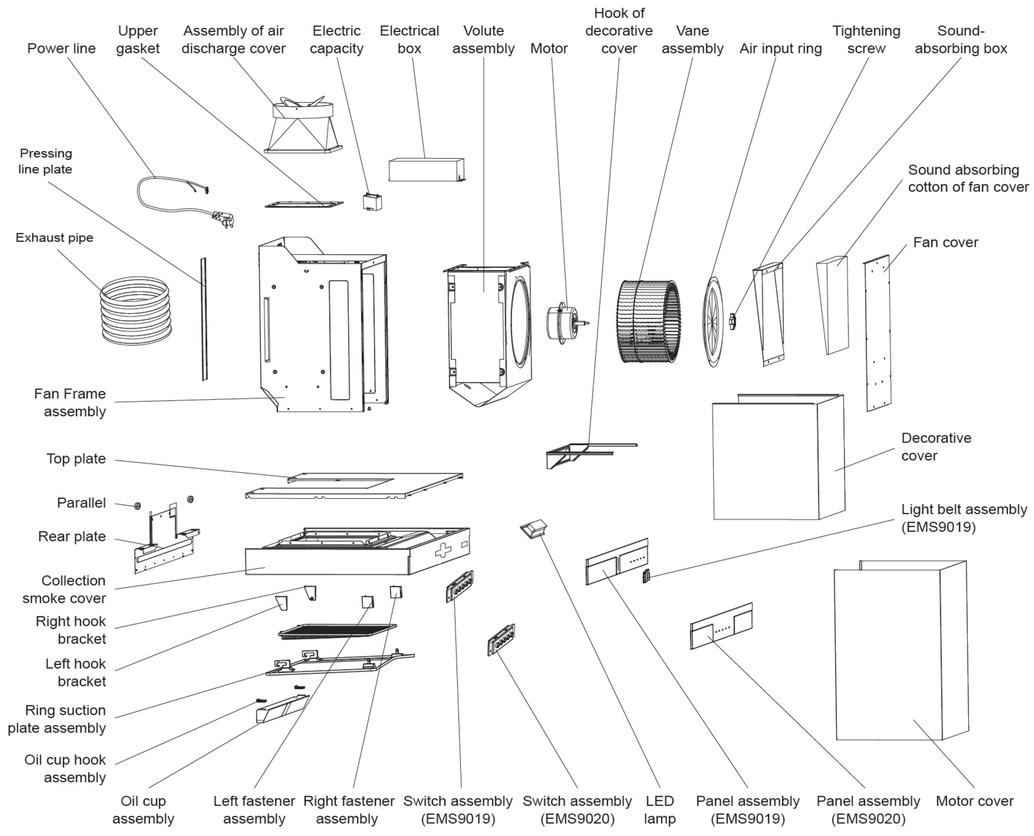
Component Name Diagram