

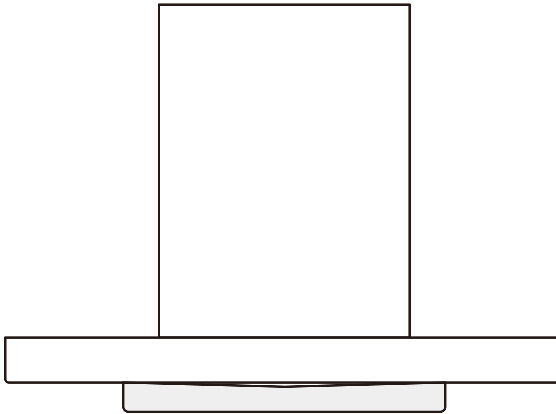


## Operating and Installation Instructions

RANGE HOOD

Household Use

Model No. : FV-TX9ABB



Thank you for purchasing this Panasonic product.

- This appliance is intended for household use only.
- Please read these instructions carefully before attempting to install, operate or service this product.
- For optimum performance and safety, please read these instructions carefully and follow safety precautions when using this product.
- This unit contains reusable materials, so please assist in proper disposal or recycling when discarding them to protect the environment.
- Before using this product **please pay extra attention to “Safety Precautions” (Page 3 - 5).**

Keep these Operating and Installation Instructions for future use.



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# Safety Precautions

Make sure to follow these instructions

In order to prevent accidents or injuries to the users, other people, and damage to property, please follow the instructions below.

■ The following charts indicate the degree of damage caused by wrong operation.



## WARNING

Indicate serious injury or death.



## CAUTION

Indicate risk of injury or property damage.

■ The symbols are classified and explained as follows.



These symbols indicate prohibition.



This symbol indicates requirement that must be followed.



This symbol indicates an action that should be performed carefully.



## WARNING



- **Do not bake this product directly on the stove.**  
(Accessible parts may become hot when used with cooking appliances.)
- **Do not use this product in humid places.**  
(So as not to cause fires or malfunction.)
- **Do not touch the power plug with wet hands.**  
(So as not to cause electric shocks.)
- **Do not insert sharp metal into any gaps in the unit.**  
(So as not to touch the inside of the unit and cause electric shocks.)
- **Do not install, remove, disassemble, modify or reinstall this product by yourself.**  
(So as not to cause malfunctions, fires, electric shocks or other accidents.)
- **Do not put any objects on this product.**  
(So as not to cause a malfunction or injury.)
- **Do not use this product on the gas range when gas leakage may occur.**  
(So as not to cause gas explosion.)
- **Do not install this product on the wall of flammable materials (such as wooden wall, etc.).**  
(So as not to cause fires.)
- **The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels.**  
(So as not to cause fires.)

# Safety Precautions

Make sure to follow these instructions



## WARNING



- **Be sure to use a 220-240 V AC power socket separately.**  
(So as not to cause fires.)
- **Be sure to remove the power plug before cleaning the product.**  
(So as not to cause electric shocks.)
- **There is a fire risk if cleaning is not carried out in accordance with the instructions, the details concerning the method and frequency of cleaning, please see the instructions.**  
(If the range hood is not cleaned and maintained according to the instructions specified in the manual, it may catch fire.)
- **When inserting or removing the power, hold the power plug itself instead of pulling the supply cord as you like.**  
(So as not to cause fires or electric shocks.)
- **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.**  
(So as not to cause intoxication.)
- **Stop using this product immediately when oil catches fire during cooking.**  
(So as not to cause fires.)
- **Stop using this product, and turn off the power switch or remove the power plug in case of any anomaly/malfunction.**  
(So as not to cause fires or electric shocks.)  
Examples of abnormal failures:
  - Abnormal noise or heat.
  - An unusual smell/smoke emitted.
  - Burning.
- **This product shall be installed by professionals, and it shall be installed firmly and horizontally.**  
(So as not to cause injury due to falling of the product.)
- **Be careful when removing the unit to prevent it from dropping or falling accidentally.**  
(So as not to cause injury due to falling of the product.)
- **It shall be grounded. Connect the power plug to a power socket with a grounding continuity terminal.**  
(So as not to cause electric shocks in case of malfunction or leakage.)
- **Be sure to install this product on the wall, and make sure that the metal parts and mounting screws do not touch any metalwork in the wall, such as metal slats, cable slats and metal plates.**  
(So as not to cause electric shocks.)

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# Safety Precautions

Make sure to follow these instructions



## CAUTION



- **Do not put any objects on this product.**  
(So as not to cause a malfunction or injury.)



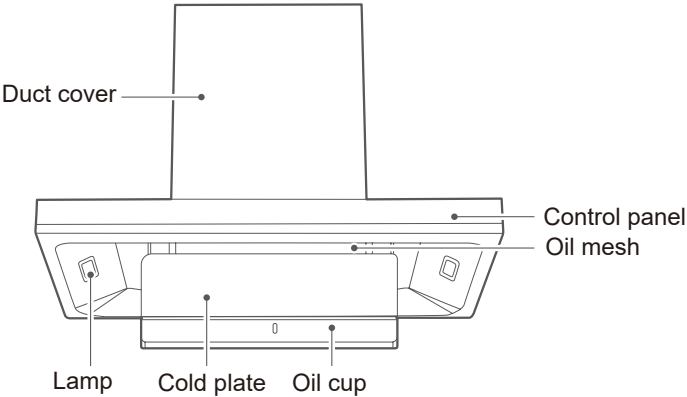
- **Wear gloves when cleaning.**  
(So as not to cause hand injury by the edge of the product.)
- **If the interior needs cleaning, entrust a professional to do so.**
- **The minimum distance shall be at least 650 mm between the supporting surface for the cooking vessels on the hob and the lowest part of the product.**  
(So as not to cause malfunctions or burns due to high temperature of the unit.)
- **The product shall be installed on a wall that is strong enough. If installation strength cannot be ensured, reinforcement measures are a must. The wall used to support the installation of this product shall be able to bear the weight 5 times of the product.**  
(So as not to cause injury due to falling of the unit.)
- **Range hood is only intended to be installed over a hob with no more than four hob elements.**  
(CAUTION: Accessible parts may become hot when used with cooking appliances.)
- **When the range hood is no longer to be used, it must not be left in place but removed.**  
(So as not to cause injury due to possibly falling of the unit.)

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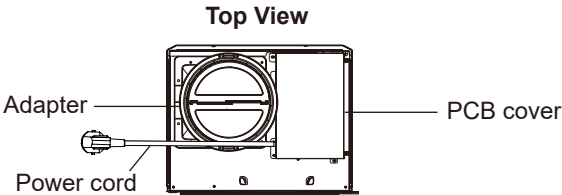
## Precautions for Use

- Do not use gasoline, benzene, thinner or any other similar chemicals for cleaning.
- When using a gas range, it is suggested turning on this product.
- When using with cooking utensils at the same time, the accessible parts may become hot.
- When using steam to clean the range hood, the steam may hit the electronic components, causing damage to the components or leading to a short circuit.

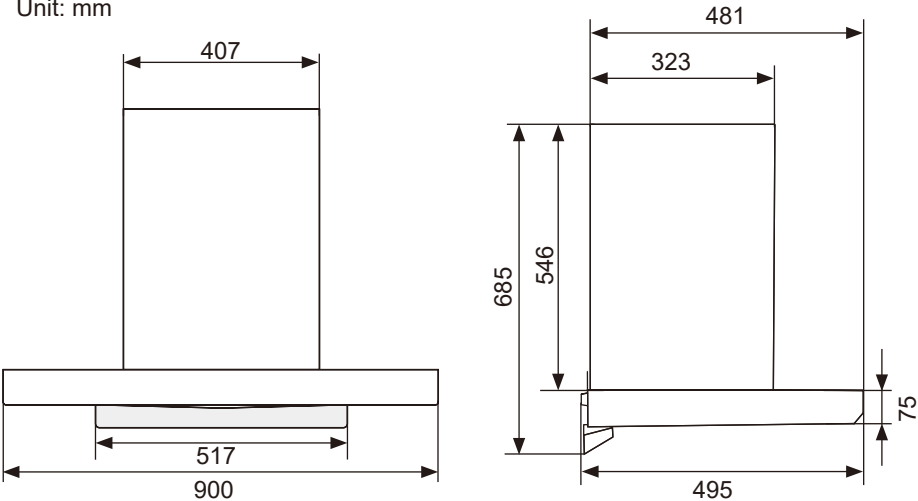
# Parts Identification and Sizes



※ LED Lamp  
 Dimensions : 120 X 33.2 mm  
 Max. power : 1.5 W  
 Voltage : DC 12 V

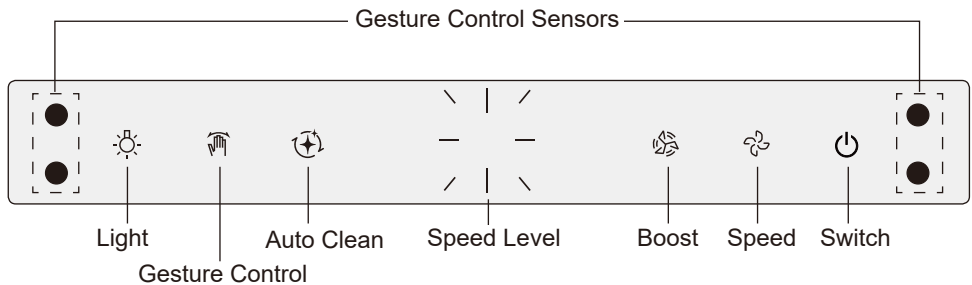


Unit: mm





# How to Use

## Control Panel





### Standby

Insert the plug into the power socket. With a beep, all the keys on the control panel light up and last for about 1 second, then  and  key turn white highlight (key function on), the other keys turn white lowlight (key function off). The unit enters standby state.

- In standby state, the unit will automatically enter power-off state after the lamp light goes out for 5 minutes.


### Power off

In standby state touch the  key, the unit enters power-off state. The  key keeps white lowlight.



### Power on

In power-off state, touch the  key, the    keys light up. The fan starts running. The unit enters power-on state.

### Fan speed setting

In power-on state, touch the  key repeatedly to switch the fan speed between level 1 to level 3. The speed level indicator changes correspondingly.



### Boost speed




In power-on state, touch the  key. The fan starts running at boost speed. After running at boost speed for 2 minutes, the fan speed automatically switches to level 3. In boost mode touch the  key to switch to speed level 3 manually.

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# How to Use

## Latency function

Touch the  key when the fan is working, the  key flashes, the unit starts to perform the "Power-off latency" function. The unit will automatically enter standby state after the fan running at a low speed for 3 minutes.

- If you touch  during the latency, the latency function will be canceled and the unit enters standby state.
- If you touch the  or  key during the latency, the latency function will be canceled and the fan will run at the corresponding speed.

## Light on/off

In standby state or power-on state, touch the  key, the light turns on; touch the  key again, the light goes out.

- The light function is not available in auto clean mode.


## Gesture control function

In standby state or power-off state, perform a waving gesture from left to right passing the gesture control sensors on both sides, the fan starts running. Perform the same gesture repeatedly to switch the speed.




In power-on state, perform a waving gesture from right to left passing the gesture control sensors on both sides to enter power-off latency mode.

- In power-off latency mode, wave from right to left to enter standby state; wave from left to right to exit from power-off latency mode, the fan starts to run at the speed set last time (Boost speed will not be resumed, instead of switching to level 3).



### Note:

- Gesture control function is set on by default when connected to the power supply for the first time.
- In standby state or the fan running state touch the  key to switch gesture control function on or off.
- Gesture control function is not available in auto clean mode.

## Auto clean function

In standby state or power-on state, touch the  key to start auto clean function. The light turns off, the  and  keys turn white highlight. The fan starts to run at high speed, the liquid oil adhered on the fan could be removed.

### Note:

- Auto clean function will automatically turns off after running for 3 minutes, or touch the  or  key to stop the function, the unit enters standby state.
- The Fan Speed Setting, Light and Gesture Control Function are not available in auto clean mode.



# Cleaning and Maintenance

## Daily cleaning

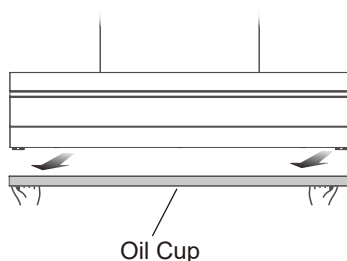
To achieve the best operating performance and longer service life, this product must be cleaned and maintained frequently. Turn off the power before cleaning and maintenance. It is suggested that all surfaces be cleaned with a damp cloth (neutral detergent is applicable) to keep this product clean and tidy. Do not use strong alkaline detergent to clean the machine (including the oil cup).

## Tips

- Usually just wipe the surface and edges of the range hood.
- It is suggested that it be wiped every two weeks.
- Do not use abrasive powder, metal brushes, nylon brushes (containing abrasives) or scouring pads, etc. to clean or scrub the machine (including the oil cup), so as not to damage the coating on the product surface.

## Oil cup cleaning

1. Remove the oil cup with reference to the figure on the right (the direction to remove oil cup).
2. Pour out the oil collected, and soak the oil cup in warm water with diluted neutral detergent at a temperature of 40°C to 50°C, wait for 5 to 10 minutes and clean the oil cup.
3. Reinstall the oil cup. (Refer to page 16 **Installing the Cold Plate and Oil Cup**)

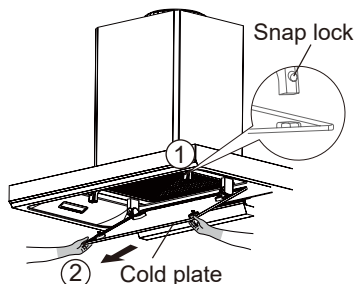


## Tips

- It is suggested that the oil cup need to be cleaned when the oil collected reaches about 80% of capacity of the oil cup.
- Grasp the oil cup with both hands when removing the oil cup, otherwise oil in the oil cup may shake and overflow.

## Cold plate cleaning

1. To remove the cold plate, grasp the front sides of the cold plate with both hands, meanwhile press down the snap locks to release the buckles on both sides, then flip the plate down at a certain angle to remove the cold plate.
2. Soak the cold plate in warm water with diluted neutral detergent at a temperature of 40°C to 50°C, wait for 5 to 10 minutes and clean the cold plate.
3. Reinstall the cold plate. (Refer to page 16 **Installing the Cold Plate and Oil Cup**)



## Tips

- It is recommended to clean the oil cup and the cold plate simultaneously. When removing the cold plate, please use both hands to hold it.

## Note:

- When cleaning the surface of this product, please wear gloves to avoid being cut by the sharp edges.

# Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated do not solve the problem, consult your dealer for instructions.

Symptom	Possible causes	Solutions
<b>The light is not lit and the motor does not work</b>	1. The power plug is not inserted into the power socket. 2. The product wire fails.	1. Insert it into the power socket. 2. Contact the Customer Consulting Service Center.
<b>The motor does not work</b>	The motor or capacitor fails.	Contact the Customer Consulting Service Center.
<b>The light is not lit</b>	1. The light wire or connection fails. 2. The light circuit board fails. 3. The light lamp fails.	Contact the Customer Consulting Service Center.
<b>Abnormal noise</b>	The smoke duct is loose or excessively bent, causing poor air flow.	Contact the Customer Consulting Service Center for reinstalling of the smoke duct.
<b>Oil fume absorption is not effective</b>	1. The smoke duct is loose or excessively bent, causing poor air flow. 2. The range hood is not set at the highest fan speed. 3. Oil fume is blown off or blown away due to high air volume in the kitchen. 4. The distance between the cooking stove and the range hood is too far.	1. Contact the Customer Consulting Service Center for reinstalling of the smoke duct. 2. Set to the highest fan speed. 3. Keep the windows or door closed in a proper way. 4. Reinstall the range hood with reduced distance from cooking stove.
<b>Oil leakage</b>	1. The installation position of range hood is inclined, which makes it impossible for the oil to flow into the oil cup. 2. The oil cup is full.	1. Contact the Customer Consulting Service Center for reinstalling of it. 2. Pour out the oil and clean the oil cup.
<b>An abnormal sound is heard when the fan rotor works</b>	The fan rotor is loose, and the fan rotor cap is not tightened.	Contact the Customer Consulting Service Center.
<b>Touch keys do not work properly</b>	The control switch fails.	Contact the Customer Consulting Service Center.
<b>Gesture control function is abnormal</b>	1. The sensing area is dirty. 2. The sensor fails.	1. Clean the sensing area following the instructions on page 9. 2. Contact the Customer Consulting Service Center.

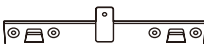











# Specifications

Rated voltage	220 V - 240 V ~
Rated frequency	50 Hz
Rated total input power	353 W
Rated input power of main motor	350 W
Max. input power of LED lamp	1.5 W X 2
Number of fans	Single fan
Air volume (IEC standard)	1560 m³/h
Air volume (unrestrained)	2200 m³/h
Max. static pressure	630 Pa
Airborne acoustical noise	63 dB(A)
Net weight	Approx. 24 kg
Outer diameter of smoke duct	Φ190 mm
Dimension L × W × H	900 X 495 X 685 mm

## Note:

- The data of air volume and electrical properties are values at a static pressure of 0 Pa.
- Noise: A-weighted sound power level with a tolerance of +3 dB.
- Air volume, max. static pressure: the allowable difference between the actual measured value and the indicated value shall not exceed -10% of the indicated value.
- The parameters above are subject to change without notice.

# List of Accessories

No.	Appearance	Name and usage	Quantity
1		Hood fixing bracket	1
2		Screw (M5×50)	4
3		Screw (ST4.2×16)	6
4		Screw (ST5×45)	1
5		Plastic expansion tube	5
6		Stop block	1
7		Operation/ Installation Instructions	1
8		Sealing pad	1
9		Adapter	1
10		Smoke duct	1
11		Oil cup	1
12		Cold plate	1

## Note:

- There are screws in the screw bag not for this model. When installing the unit please choose the correct screws according to the Installation Instructions.

# Installation Instructions

For installer

## Safety precautions for installation

Please read these precautions fully



### WARNING

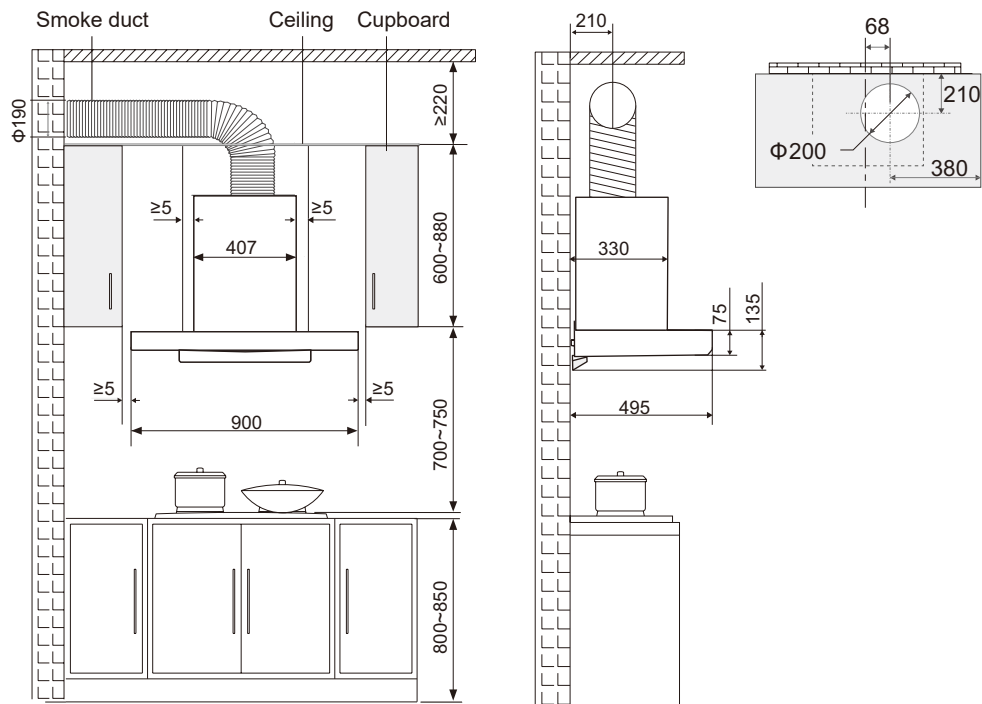
Failure to follow these instructions may cause a risk of personal injury or death.

- The distance between the hob and the lowest part of the kitchen cooker hood cannot be smaller than  $X=65$  cm. Should the instructions of the gas hob specify a greater distance, take this into consideration.
- In the outside suction version, the diameter of the fume discharge duct must be no smaller than the cooker hood connection. We recommend using pipes with 150 mm diameter. If using pipes with 120 mm diameter, install attached the duct adapter to the discharge hole of the cooker hood.
- In the horizontal sections, the duct must slope slightly (around 10%) upwards, so as to better convey the air outside of the room. The duct must be installed not to bend it in the immediate vicinity of the discharge hole. Otherwise, the return valve will get stuck with the duct, and will not work for the exhaust properly. Reduce curves to the bare minimum, and check that the length of the ducts is also the bare minimum.
- Comply with the current regulations on air discharge into the atmosphere.
- If other appliances that use gas or other fuels are being used at the same time (boiler, stove, fireplaces, etc.), make sure the room where the fumes are extracted is well ventilated, in compliance with the current regulations.
- When screwing or installing metallic parts to the wall which metal lath, wire lath or metal plate is lined, do not let them come in contact with metal part. Otherwise, it may cause electric leakages or fires.

# Checking before installation

Suggested installation of the range hood is as shown in the figure below:

Unit : mm



## Tools required:

- Electric drill
- 10 mm drill bit
- Screwdriver
- Hammer
- Tape measure or steel ruler
- Spirit level

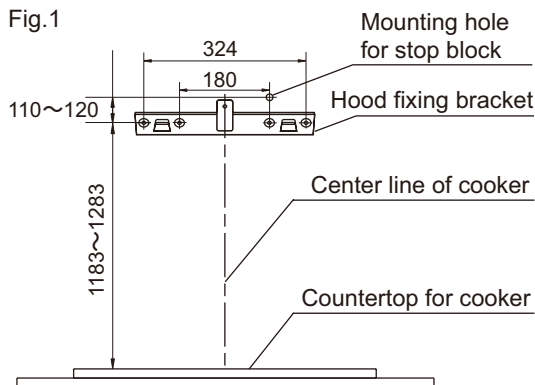
## Note:

- This product may have sharp edges. Do wear gloves when installing.
- The range hood shall be aligned with the center of cooking stove.
- This installation height is only applicable to electric stove, if installed above the gas stove, the installation height should be in accordance with the installation height requirements of gas stove.
- Do not install it in the place exposed to direct sunlight.
- Ensure that the gas can be discharged to outside or common flue through smoke duct.

## Installing the unit

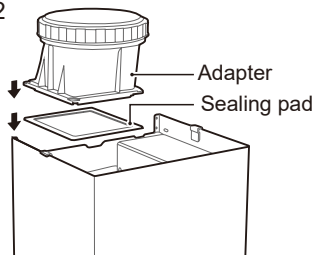
1. According to Fig.1 (Drilling diagram for installation), use an electric impact drill to make 5 holes with a diameter of 10 mm and a depth of 50-60 mm at the corresponding positions on the wall where the range hood is installed, embed the plastic expansion tubes, and use 4 screws (M5 X 50) to fix the hood fixing bracket to the wall.

Unit : mm



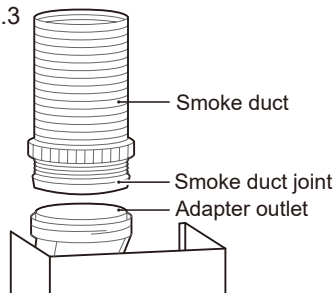
2. According to Fig.2, align with the screw holes and place the sealing pad and the adapter on the outlet in sequence. After aligning with the screw holes, use 6 screws (ST4.2X16) to fix the sealing pad and the adapter to the unit.

Fig.2

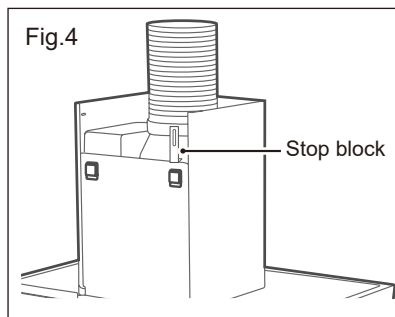


3. According to Fig.3, fix the smoke duct joint of the smoke duct onto the adapter outlet tightly.

Fig.3



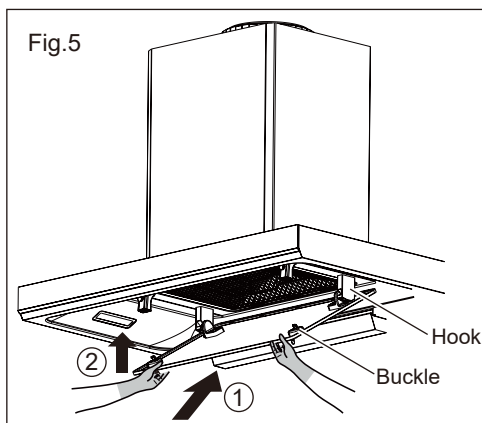
4. Securely attach the unit to the hood fixing bracket with the unit inclined  $1^{\circ}$  or  $2^{\circ}$  to the wall, so that the hooks of the hood fixing bracket are fully inserted. After installation, make sure that the range hood is not shaking or detached, and try to ensure that it is in a horizontal state. As shown in Fig.4, use a screw (ST5X45) to fix the stop block on the wall through a plastic expansion tube to prevent the range hood from falling off vertically in case of an external force.



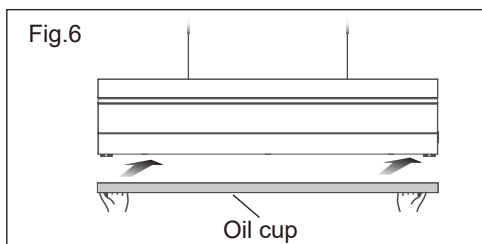
5. Stretch the smoke duct, extend it into the wall opening or connect it to the common flue securely, and adjust the smoke duct to ensure that it is not bulging or compressed, and it bends freely. If the smoke duct is extended directly into the common flue, it shall not go too deep into the common flue, so as not to affect exhaust effect; if oil fume is exhausted directly to the outside, it is suggested that a shutter (available in hardware stores) be attached at the end of the outdoor smoke duct.
6. Insert the power plug into the socket securely. The power socket shall be a special one with a reliable grounding wire. Do not change the plug without permission.

## Installing the cold plate and oil cup

1. According to Fig.5, grasp the cold plate with both hands, insert the left and right hangers of the cold plate into the hooks, then flip it upward to fasten the left and right buckles securely.



2. According to Fig.6, install the oil cup at the bottom of the unit.





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# Test Operation

After installation, turn on the power, press each function key on the control panel, and check the following items:

- Do the fan blades rotate properly?
- Is there any abnormal vibration or noise?
- Is each function key on the control panel working properly?

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