



Ver. RH-SP-BLW-2020A



*Optional Awoco Split Hood Unit*



*Optional Control Unit*

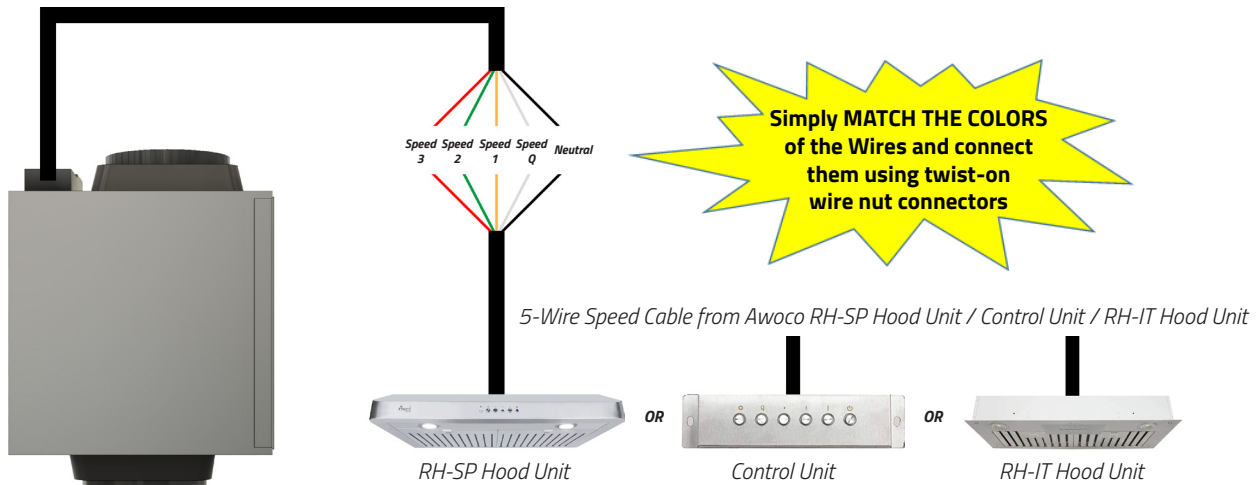
OWNER'S MANUAL

# Range Hood

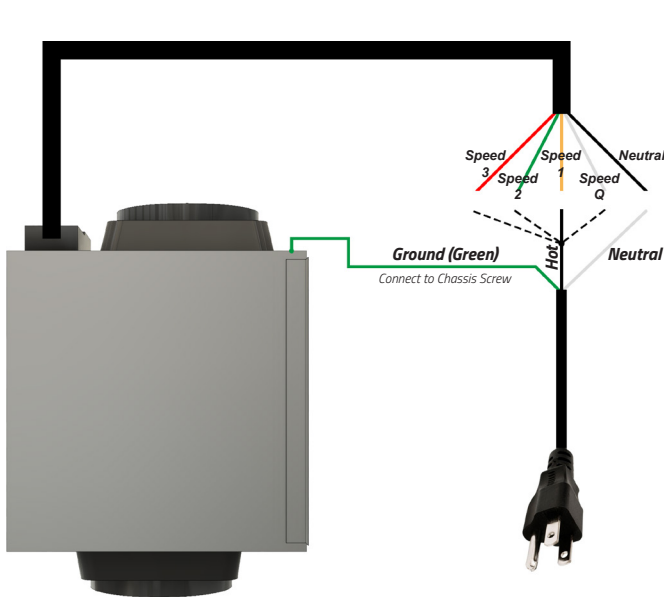
*In-Line Split Blower Unit*



# Electrical Wiring Connection Diagram Quick View



Connecting the Blower Unit to an Awoco Split Hood Unit or a Control Unit  
 \*Refer to Page 5 for Details



Connecting the Blower Unit Directly to a Power Cord  
 \*Refer to Page 6 for Details

## Warning



Electrical  
Hazzard

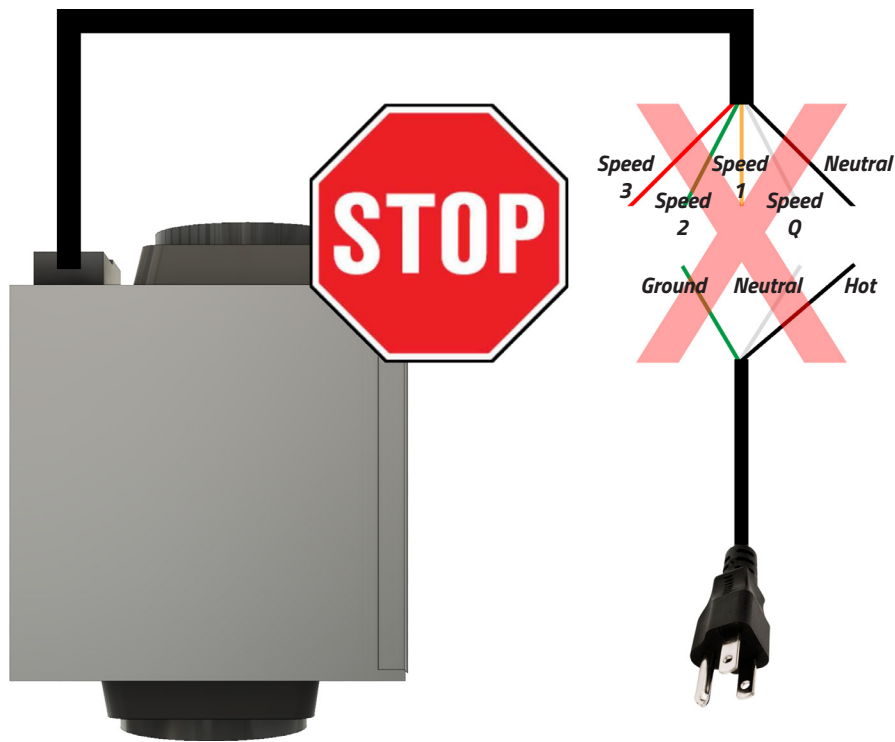
- DO NOT connect the Power Cord's Green Wire (Ground) to Blower Unit's Green Wire (Speed 2).
- DO NOT plug in the Hood Unit or Control Unit's Power Cord if these 5 wires are not connected to the Blower Unit!
- Exposed unconnected wires will cause personal injury and electrical damage to the motor that is not covered by the warranty.
- Please follow the Wire Connection Table for connection with the Power Cord. If wrong wires are connected, the motor will be damaged and it's not covered by the warranty.

# Table of Contents

<b>Important Safety Instructions</b>	<b>4</b>
<b>How to Test Run</b>	<b>5</b>
Step 1a. If the Awoco Split Hood Unit or the Control Unit is purchased	5
Step 1b. If the Awoco Split Hood Unit or the Control Unit is NOT purchased	6
Step 1c. Connect the Blower Unit to the Control Panel on the Existing Range Hood	7
Step 2	7
<b>Installation</b>	<b>8</b>
Installing the Blower Unit	8
Control Unit Buttons & Functions	9
<b>Troubleshooting</b>	<b>10</b>
<b>Warranty</b>	<b>11</b>

## Caution

**DO NOT** connect the Power Cord's Black, White and Green wires directly to Blower Unit's Black, White and Green wires. Incorrect wire connections will cause damage to the motor, which is **NOT COVERED** in the warranty.



- The **Green** - Speed 2 wire from the Blower Unit **IS NOT** a **Ground** wire.
- The **White** - Speed Q wire from the Blower Unit **IS NOT** a **Neutral** wire.
- The **Black** - Neutral wire from the Blower Unit **IS NOT** a **Hot** wire.

# IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before proceeding further to prevent the risk of fire, electric shock, personal injury or damage to the Blower Unit. This manual provides a general insight on the installation and may not include solutions for all possible issues that may occur.

**Important: Read and save these instructions.**

Installer: Please leave these instructions with the owner.

Owner: Please keep these instructions for future reference.

In case of this manual destroyed or lost, please visit <https://www.awoco.com> and download a digital version.

**WARNING**

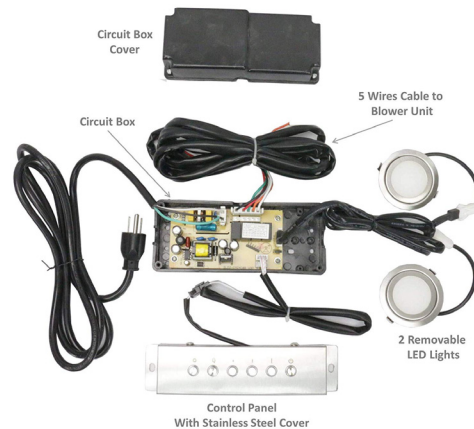
**TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY, PLEASE READ THE FOLLOWING CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THE BLOWER UNIT:**

- Always disconnect, lock and tag the power source before installing or servicing the Blower Unit. Failure to do so may result in fire, shock or serious injury.
- Installation and electrical wiring must be done by qualified technician(s) in accordance with all applicable codes and standards, including fire-rated construction.
- When cutting or drilling into walls or ceilings, please be careful not to damage any electrical wirings and other hidden utilities.
- Verify and ensure the rated voltage and frequency of the Blower Unit is in compliance with the nearby power source.
- Always unplug the Blower Unit from the power source before cleaning it.

- Use the Blower Unit only as directed in this manual. Do not use it to vent hazardous or explosive materials or vapors.
- Clean the Blower Unit regularly to prevent it become blocked or clogged. Good air flow is essential for the Blower Unit to work properly.
- Do not install, repair or replace any parts of the Blower Unit or Hood Unit unless you are instructed to do so by the manufacturer.
- Do not tamper with or modify the PCB.
- This Blower Unit requires a duct to vent the air outside. Do not vent the air into spaces within walls, ceilings, attics, crawl spaces or garages.
- **The recommended installation height for the Hood Unit is 24" minimum and 30" maximum above the cooking surface to the bottom of the Hood Unit.**

*Note*

- For SP-06 model: This model has a built-in damper. Additional damper is not needed.
- For SP-08 model: Damper is not included in this model. Please purchase it should you prefer to have one.
- *Optional Control Unit:*



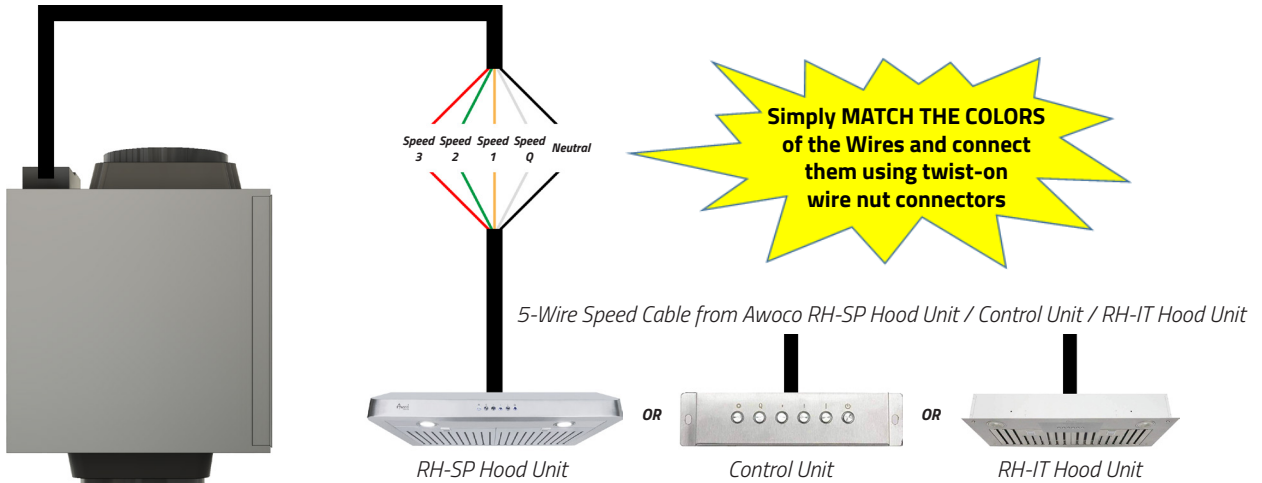
## Read and Save These Instructions

# How to Test Run

## Steps to Test Run Before Installing

**1. 1a. This Blower Unit works best with an Awoco Split Hood Unit or a Control Unit. (The Awoco Split Hood Unit or the Control Unit must be purchased separately.)**

- To connect the Blower Unit to an Awoco Split Hood Unit or a Control Unit, follow the diagram shown below to connect the wires from the Blower Unit to the Awoco Split Hood Unit or the Control Unit:



### Wire Color & Speed

Blower Unit Wire Color	Speed	Hood Unit or Control Unit Wire Color
Black	Neutral	Black
<del>White</del>	Speed Quiet (Q)	<del>White</del>
Orange	Speed Low (1)	Orange
Green	Speed Medium (2)	Green
Red	Speed High (3)	Red



**Electrical  
Hazzard**

### Warning

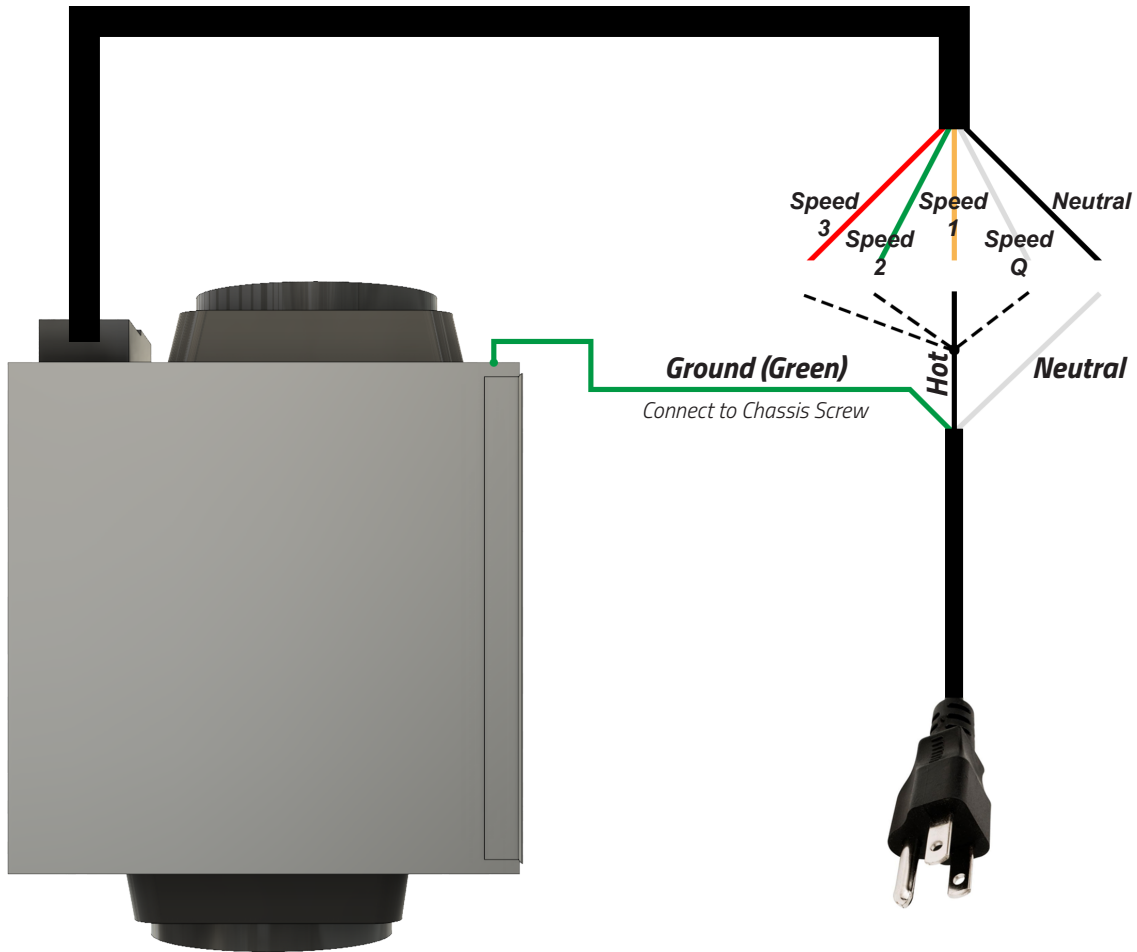
- DO NOT plug in the Power Cord if these 5 wires are not connected to the Blower Unit!
- Exposed unconnected wires will cause personal injury and electrical damage to the motor that is not covered by the warranty.

## Connecting the Blower Unit to an Awoco Split Hood Unit or a Control Unit

# How to Test Run (Continued)

**1b. If the Awoco Split Hood Unit or the Control Unit is NOT purchased**

- Connect the wires from the Blower Unit with the wires from the Power Cord as shown below:



**Connecting the Blower Unit directly to a Power Cord**

**Wire Connection Table**

Wires from the Blower Unit	Wires from the Power Cord
<b>Red</b> - Speed 3	<b>Black</b> - Hot <i>Connect to either 1 of 4 speeds</i>
<b>Green</b> - Speed 2	
<b>Orange</b> - Speed 1	
<b>White</b> - Speed Q	<b>White</b> - Neutral
<b>Black</b> - Neutral	<b>Green</b> - Ground
Chassis Screw	

*Note*

- This is a 1-speed connection. Switching between different speeds will not be possible. If you prefer to run the Blower Unit at different speeds, please purchase and install a Control Unit.
- The **Green** Wire from the **Power Cord** should connect to the **Chassis Screw** on the **Blower Unit**.
- The **White** wire from the **Power Cord** should connect to the **Black** Wire from the **Blower Unit**.
- Make sure to connect the wires correctly according to the diagram and table above. Failure to do so will result in a **burnt motor** which is **NOT covered** in the warranty.

## How to Test Run (Continued)

---

### 1c. Connect the Blower Unit to the Control Panel on the Existing Range Hood from other brands

- Identify the Neutral wire and the Speed wires from your existing Range Hood. Please note that your Range Hood might be 3 speeds or 2 speeds only.
- Refer to the **Wire Connection Table** in Step 1b for wire connections. Connect the Neutral wire and Speed wires accordingly.
- Due to the speeds of the Blower Unit NOT varied by voltage or frequency, this Blower Unit is **NOT compatible** with the existing control panels that vary the voltage or frequency.

#### **Caution**

*Before connecting the Blower Unit to the existing control panel, **make sure to correctly identify the Neutral wire and the Speed wires from the control panel.** Failure to do so will result in a **burnt motor** which is **NOT covered** in the warranty.*

2. Connect the Power Cord to a 120V power source and verify the functionality of each button to check if it's working properly. Refer to Page 9 for functional details.

#### *Note*

**DO NOT** install the Blower Unit if it's defective. Contact the seller immediately.

# INSTALLATION

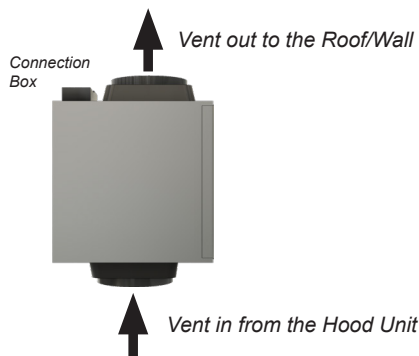
---

## Installing the Blower Unit

- Install the Blower Unit onto steady lumbers in the attic.
- Connect the duct work from the Hood Unit to the bottom vent opening of the Blower Unit and seal the connection.
- Connect the duct work from the Roof/Wall Cap to the top vent opening of the Blower Unit and seal the connection.

- Insulate the connected wires and any unused wires.
- Plug in the Power Cords and test run again to confirm all buttons are working properly. Refer to Page 10 for troubleshooting.

### Blower Unit Installed Vertically



### Blower Unit Installed Horizontally



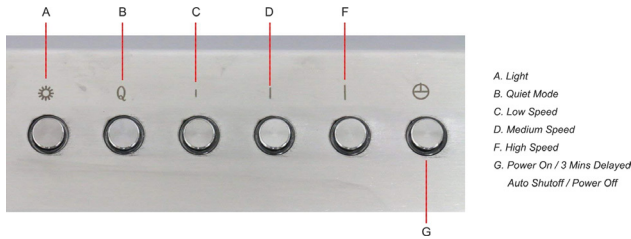
*Note: If mounting the 6" Blower Unit horizontally, please remove the built-in damper first, then install an air damper at the roof/wall vent out.*

- Connect the wires:
  - **If you have purchased the Awoco Split Hood Unit or the Control Unit**
    - Refer to Step 1a in Page 5 to connect the wires. Install the Control Unit on the wall or other suitable places.
  - **If you didn't purchase the Awoco Split Hood Unit or the Control Unit and want to set the Blower Unit at 1 speed only**
    - Refer to Step 1b in Page 6 to connect the wires.
  - **If you want to use your existing range hood control panel to control the Blower Unit**
    - Refer to Step 1c in Page 7 to connect the wires.



# Control Unit Buttons & Functions (Continued)

## Control Unit Buttons & Functions



### Light

- Press the Light button once and the lamps will turn on.
- Press the Light button again and the lamps will turn off.
- The Light button operates independently from the Power button. It works even when the range hood is not turned on.
- Always turn off the Lights before powering off the range hood.

### Power

- Press the Power button once and the Awoco Split Hood Unit or the Control Unit will be activated in standby mode, then press one of the Speed buttons to set the speed of the Blower Unit.
- Press the Power button again will activate the Delayed Auto Shutoff function.
- Press the Power button the 3rd time will shutoff the range hood immediately.

### Delayed Auto Shutoff Function

- When the hood is operating in any speed, press the Power button once will activate the Delayed Auto Shutoff function. The range hood will shutoff automatically in 3 minutes.
- While the Delayed Auto Shutoff function is activated, press the Power button again and the hood will shutoff immediately.

### Speed Control

#### Note

The Power button must be pressed once before any speed mode can be selected.

- There are 4 speed modes you can choose from: Quiet, Low Speed, Medium Speed and High Speed.

- Pressing any of the speed buttons will set the Blower Unit to the speed the button designates.

Button	Mode
Q	Quiet - <i>Generate less noise, perfect for light cookings.</i>
I	Low Speed
II	Medium Speed
III	High Speed

### WARNING

**Read all instructions and warnings in the Range Hood User Manual before using the hood.**

- DO NOT use the hood when there are no safety grills and filters.
- NEVER dispose cigarette ashes, ignitable substances, or any foreign objects into blowers.
- NEVER leave the cooking appliances unattended. When frying, the oil in the pan can easily overheat and catch on fire. The risk of self-combustion is higher when the oil has been used several times.
- NEVER cook on "open" flames under the range hood. Check deep-fryers during use: Superheated oil may be flammable.

# Troubleshooting

## Before Calling for Service

Issue	Possible Cause / Solution
The Blower Unit doesn't turn on	<ul style="list-style-type: none"> <li>▪ Check if all wires are connected correctly, refer to Step 1 for detail connection.</li> <li>▪ Check if the Blower Unit has power using the voltage meter to measure the neutral wire (Black wire in the Blower Unit) and one of the speed wire.</li> <li>▪ Directly connect the power cord to the blower to check if the motor is failed, refer to Step 1b for connection.</li> </ul>
The buttons on the Awoco Split Hood Unit or the Control Unit don't work	<ul style="list-style-type: none"> <li>▪ Check if all wires are connected correctly according to the color on the wires.</li> <li>▪ Check if the Awoco Split Hood Unit or the Control Unit is plugged in.</li> <li>▪ Check if the Blower Unit has power using the voltage meter to measure the neutral wire (Black wire in the Blower Unit) and one of the speed wire.</li> <li>▪ If the Awoco Split Hood Unit or the Control Unit has no power to the Blower Unit, contact Awoco to get circuit board and button panel replacements.</li> </ul>
The LED light is off from the Awoco Split Hood Unit or the Control Unit	<ul style="list-style-type: none"> <li>▪ If one of the LED light is off, contact Awoco to get a LED bulb replacement.</li> <li>▪ If both of the LED lights are off, there might be a circuit board failure on the 12V power supply. Contact Awoco to get circuit board and LED bulb replacements.</li> </ul>
The blower or fan seems weak	<ul style="list-style-type: none"> <li>▪ Check that the duct size used is at least 6" for 6" Blower and 8" for 8" Blower. Range hood WILL NOT function efficiently with insufficient duct size.</li> <li>▪ Check if the duct is clogged or the damper (half-circular flapper) is not installed correctly or opening properly.</li> </ul>
The hood is not venting out properly	<ul style="list-style-type: none"> <li>▪ Make sure the distance between the stove top and the bottom of the hood is within recommended 24" and 30" in distance. *Due to different ceiling height configurations, the recommended height may not be applicable.</li> <li>▪ Reduce the number of elbows and length of duct work. Check if all joints are properly connected, taped and sealed.</li> <li>▪ Make sure the power is on high speed for heavy cooking.</li> </ul>

# Warranty

---

This product is warranted for a limited period of **ONE YEAR Parts, begins from the date of purchase.**

This limited warranty is applied to the original retail purchaser and valid only for products purchased for home use in the continental United States of America.

This limited warranty is non-transferable and does not extend to the subsequent owners of this product.

Any applicable implied warranties, including the warranty of merchantability, are limited in duration to a period of express warranty as provided herein beginning with the date of original purchase at retail and, no warranties, whether express or implied, shall apply to this product thereafter.

**In the event of the product fail to work properly due to a defect in manufacturing materials or workmanship under normal home use, during the warranty period mentioned above, subject to the conditions and limitations set forth below, Awoco will, at our options, either repair or replace any part of our products proven defective by reason of improper materials or workmanship:**

- Proof of original retail purchase is required to receive warranty service within the limited warranty period.
- Repair parts or replacement products will be provided by Awoco, free of charge, on an exchange basis, and will be either new or reconditioned.
- The consumer is responsible for all shipping costs.

## **This Limited Warranty Does Not Cover:**

- Consumable parts such as light bulbs, stainless steel baffle filters.
- The natural wear of finish, and wear due to improper maintenance, use of corrosive and abrasive cleaning products, pads, and oven cleaner products.
- Chips, dents or cracks on the product caused by transportation and handling.
- Damage of product caused by accidents, pests and vermin, lightning, wind, fire, floods or acts of God.
- Damage of product caused by unauthorized

modification or alteration, or if it is used for other than the intended purpose, or any water leakage where the unit was not installed properly.

- Damage of product caused by incorrect electrical wiring, commercial or industrial use, or use of any cleaning products not recommended in this manual.
- Damage of product due to product misuse, abuse, improper installation, unauthorized repair or maintenance.
- Any loss of properties or any costs associated with removing, servicing, installing, or determining the source of problems with our products.

## **To Receive Warranty Service:**

- Contact the seller or distributor from which you purchase the product. Please confirm the terms of your dealer's or distributor's policies prior to contacting. Or contact us directly.
- Provide the product identification information, such as model number and lot number, and proof of original purchase.
- Describe the issue you are experiencing in detail.

## **Product Support and Additional Information:**

If you need assistance using your product or you would like to start the warranty service:

- Contact us at 1-888-412-3428, between 9 AM and 5 PM, Monday - Friday, Pacific Time.  
Or
- Contact us at <https://www.awoco.com/contact-us>.



---

Website: [www.awoco.com](http://www.awoco.com)

Customer Support: 1-888-412-3428