

# IMPORTANT INSTRUCTIONS - OPERATING MANUAL

AVCR, AVCD Series

**Air King**  
Ventilation Products®

Corded Range Hood



## READ AND SAVE THESE INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THE PRODUCT DESCRIBED. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!



RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

## GENERAL SAFETY INFORMATION

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to person, including the following:



**WARNING:** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSON, OBSERVE THE FOLLOWING:

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.



**WARNING:** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSON, OBSERVE THE FOLLOWING:

- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-related construction.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA) and the American Society for Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.



**CAUTION:** FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.



**CAUTION:** TO REDUCE THE RISK OF FIRE AND TO PROPERLY EXHAUST AIR, BE SURE TO DUCT AIR OUTSIDE - DO NOT VENT EXHAUST AIR INTO SPACES WITHIN WALLS OR CEILINGS OR INTO ATTICS, CRAWL SPACES, OR GARAGES.

- Ducted fans must always be vented to the outdoors.
- This unit must be grounded.
- To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
- Read all instructions before installing or using range hood.



**WARNING:** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, DO NOT USE THIS FAN WITH ANY SOLID-STATE SPEED CONTROL DEVICE.



**WARNING:** TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- Never leave surface units unattended at high settings. Boil overs cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- Always turn hood ON when cooking at high heat or when flambéing food (ie. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).
- Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan filter.
- Use proper pan size. Always use cookware appropriate for the size of the surface element.



**WARNING:** TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:

- SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
- NEVER PICK UP A FLAMING PAN - You may be burned.
- DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.
- Use an extinguisher ONLY if:
  - You know you have a Class ABC extinguisher, and you already know how to operate it.
  - The fire is small and contained in the area where it started.
  - The fire department is being called.
  - You can fight the fire with your back to an exit.



**WARNING:** TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.



**WARNING:** TO PROVIDE PROTECTION AGAINST ELECTRIC SHOCK, CONNECT TO PROPERLY GROUNDED OUTLETS ONLY.

## SAVE THESE INSTRUCTIONS

# INSTALLATION INSTRUCTIONS



**CAUTION:** MAKE SURE HOOD IS UNPLUGGED OR POWER IS SWITCHED OFF AT SERVICE PANEL BEFORE STARTING INSTALLATION.

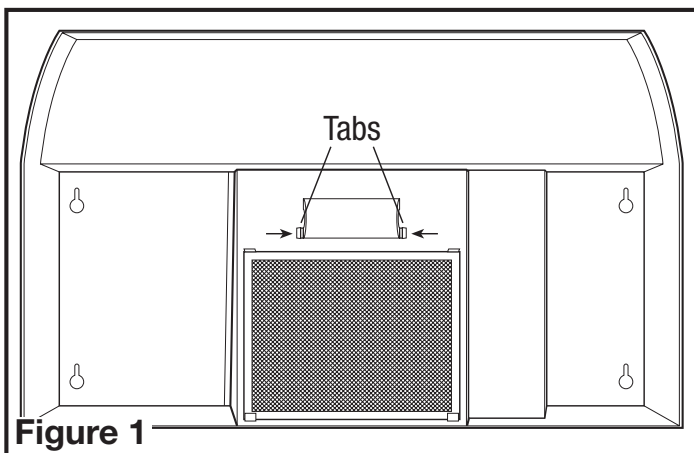
## SECTION 1

### Preparing the Range Hood

- Unpack hood from the carton and confirm that all pieces are present. In addition to the range hood you should have:
  - 1 - Aluminum Grease Filter
  - 1 - 3-1/4" x 10" Damper Assembly
  - 1 - 7" Round Adapter
  - 3 - Damper Mounting Screws
  - 4 - #8 Mounting Screws
  - 1 - Wire Compartment Cover and Screw
  - 1 - Instruction/Safety Sheet

**NOTE:** Some hoods may be shipped with a protective plastic adhered to the range hood. It is recommended to leave this in place during installation to protect the hood from scratching. Remove when the installation is complete.

- Lay the hood flat on a table so the underside is facing you. Use a piece of cardboard to avoid damaging the table or the hood.
- Remove lamp cover by squeezing the two tabs together (**Figure 1**):

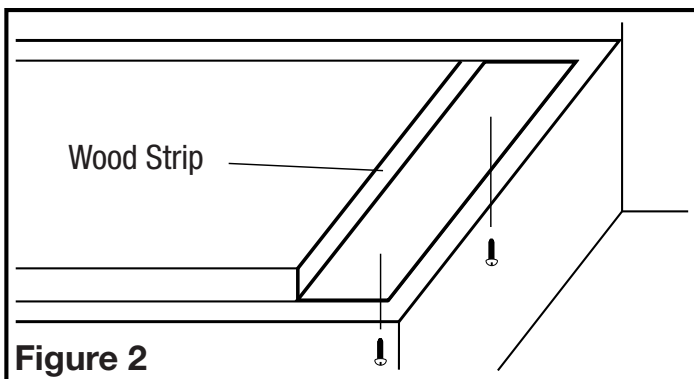


- Install a 60 watt maximum type A19 bulb and reinstall the lamp cover.

## SECTION 2

### Prepare the location for Hood Support

- If the hood will be installed under cabinets that have a recessed bottom, it will be necessary to install wood mounting strips (not included) so the hood will mount properly (**Figure 2**).

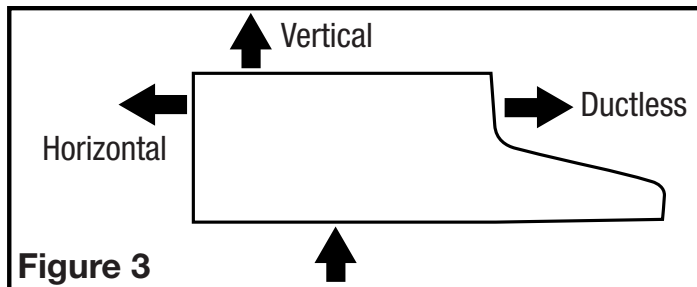


- The thickness of the strips should be the same as the recess of the cabinet and they should be approximately 2" wide.
- Install the strips using appropriate length wood screws (not included). Make sure the strips line up to the keyhole slots of the range hood.

## SECTION 3

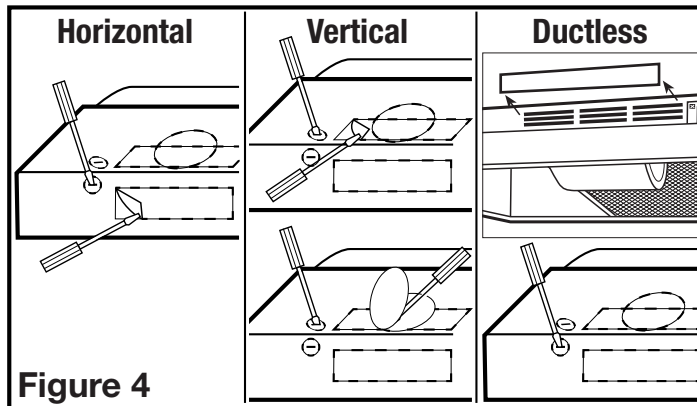
### Prepare the Hood for Installation

- Choose the type of ducting you will require. This model is equipped to vent either Vertically or Horizontally through a 3-1/4" x 10" duct. It can be modified to be ductless (re-circulates the air back into the kitchen) with the addition of a model RF55 combination grease/charcoal filter (not included) or vented through a 7" round duct with the addition of a model E-22a or RDC7 Duct Collar (not included) (**Figure 3**).



**Figure 3**

- Horizontal or Vertical** - Remove the square knockout by inserting a screw driver under the edge and break the tabs holding it in place. Peel back with pliers (**Figure 4**).



**Figure 4**

- Ductless** - Remove the hood's front louver cover, exposing the front air slots. To remove louver slide to one side and lift the trailing edge. Do not use a screwdriver or any other object that could scratch the hood (**Figure 4**).
- 7" Round** - Remove the round knockout located on the top of the hood by inserting a screw driver under the edge and break the tabs holding it in place. Peel back with pliers (**Figure 4**).

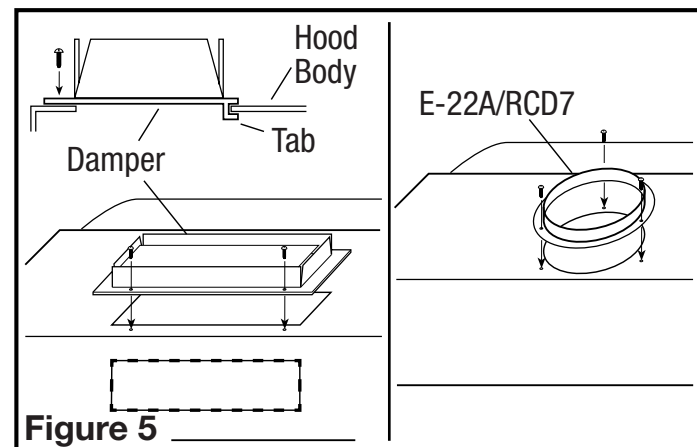
## SECTION 4

### Installing the Range Hood



**CAUTION:** MAKE SURE HOOD IS UNPLUGGED OR POWER IS SWITCHED OFF AT SERVICE PANEL BEFORE STARTING INSTALLATION.

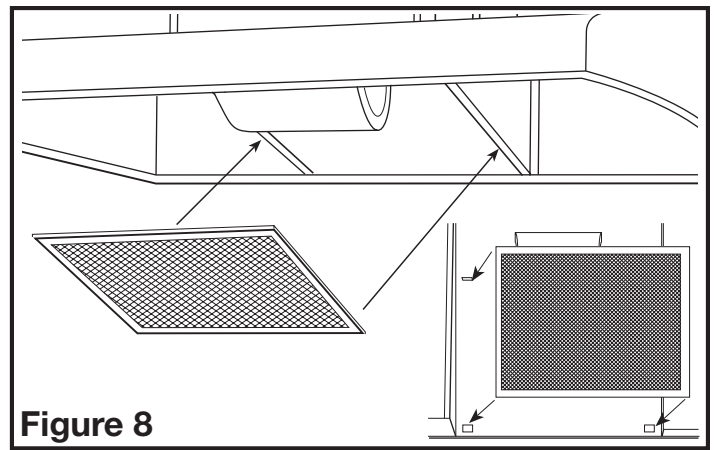
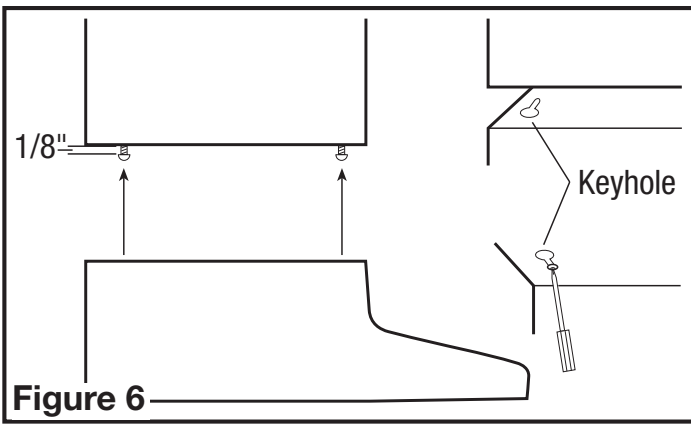
- Once the proper knockout(s) have been removed, either hold the hood up to the installation location and mark the locations of the ducting (if applicable) and mounting holes or mark the locations by measurement.
- Cut appropriate holes for ducting connection (if applicable) and cord if necessary.
- For 3-1/4" x 10" vertical or horizontal ducting, install the damper assembly to the hood by sliding the tabbed section of the damper under the hood body and securing with the two provided screws. For 7" round ducting, secure either a model E-22A or RCD7 Duct Collar (not included) to the hood with the three provided screws. Using approved duct tape, tape around the collar to seal off any air leaks (**Figure 5**).



**Figure 5**

**NOTE:** If installing into existing construction and you will not have access to the ductwork once the hood is in place, make ducting connections at this point. Refer to the Ducting Section for instructions.

- Install the 4 mounting screw at the previously marked locations. Leave approximately 1/8" clearance. Slide the hood in place through the keyhole slots and align the front of the hood so that it is flush with the front of the cabinets. Tighten all screws securely (**Figure 6**).



**CAUTION:** DO NOT INSTALL CLOSER THAN 22 INCHES ABOVE COOKING SURFACE.

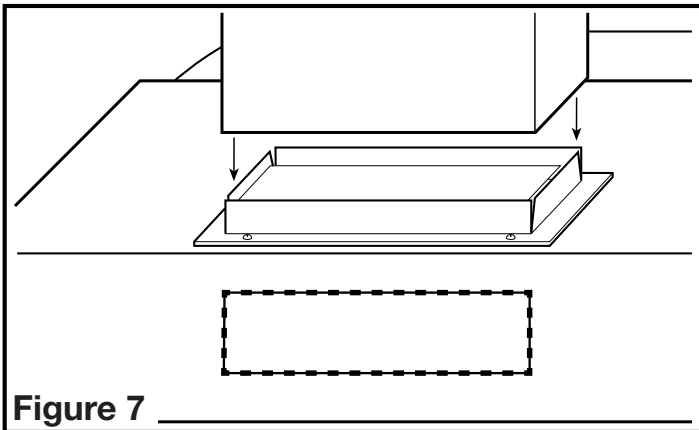
## SECTION 5

### Ducting

**CAUTION:** ALL DUCTING MUST COMPLY WITH LOCAL AND NATIONAL BUILDING CODES.

**WARNING:** TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.

1. Connect the ducting to the hood's duct collar and damper. Secure in place using tape to seal all joints (Figure 7).



**CAUTION:** ALWAYS DUCT THE FAN TO THE OUTSIDE THROUGH A WALL OR ROOF CAP.

## SECTION 6

### Finishing the Installation

**WARNING:** TO PROVIDE PROTECTION AGAINST ELECTRIC SHOCK, CONNECT TO PROPERLY GROUNDED OUTLETS ONLY.

1. Install the appropriate filter sliding the back side of the filter into the tab and pressing the front of the filter into place (Figure 8).

2. Turn switches to the "OFF" position and restore power. Test that the light and the fan are operating properly.
3. If there is any vibration noise, check for the source and try to tighten fasteners.

## SECTION 7

### Operation

#### Controls

Your Range Hood is equipped with two rocker style switches with one controlling the lighting and the other controlling the exhaust fan. The light switch has two positions, ON (I) and OFF (II). The fan is a three position switch, HIGH (II), LOW (I), and OFF. OFF is the middle position of the switch.

## SECTION 8

### Maintenance

**CAUTION:** MAKE SURE YOUR RANGE HOOD IS UNPLUGGED OR POWER IS SWITCHED OFF AT SERVICE PANEL BEFORE SERVICING THE UNIT.

#### Filters

**Grease Filter** - Included with your range hood is an aluminum grease filter that should be washed in hot water with detergent once a month. Reverse the instructions in the "Finishing the Installation" section of the instructions to remove filter. If the grease filter becomes damaged, replace with Air King Model RF35 Grease Filter.

**Charcoal Odor Filter** - If you have installed an optional combination grease/charcoal filter, it cannot be washed and must be discarded and replaced when it becomes noticeably dirty, has stopped filtering the odors, or at least once per year. Replace with Air King Model RF55 Combination Odor/Grease Filter.

#### Cleaning

**CAUTION:** DO NOT USE GASOLINE, BENZINE, THINNER, HARSH CLEANSERS, ETC., AS THEY MAY DAMAGE THE RANGE HOOD.

1. Clean your range hood with a mild detergent, such as dishwashing liquid, and dry with a soft cloth. NEVER USE ANY ABRASIVE PADS OR SCOURING POWDERS. Completely dry before restoring power. NEVER IMMERSE ELECTRICAL PARTS IN WATER.
2. The fan assembly can be vacuumed when build up (dirt, lint, etc.) accumulates over time. The fan is permanently lubricated and does not require oiling.

## Troubleshooting Guide

Trouble	Probable Cause	Suggested Remedy
1. Hood does not operate when the switch is on.	1a. A fuse may be blown or a circuit tripped. 1b. Wiring is not connected properly.	1a. Replace fuse or reset circuit breaker. 1b. Turn off power to unit. Check that all wires are connected.
2. Hood is operating, but air moves slower than normal.	2. Obstruction in the exhaust ducting.	2. Check for any obstructions in the ducting including filter.
3. Hood is making a rattling noise.	3a. Filters are loose. 3b. Duct connection is loose.	3a. Turn off power to unit. Check that all filter are securely in place. 3b. Turn off power to unit. Check that duct connection is tight.

# LIMITED WARRANTY

**WHAT THIS WARRANTY COVERS:** This product is warranted against defects in workmanship and/or materials.

**HOW LONG THIS WARRANTY LASTS:** This warranty extends only to the original purchaser of the product and lasts for one (1) year from the date of original purchase or until the original purchaser of the product sells or transfers the product, whichever first occurs.

**WHAT AIR KING WILL DO:** During the warranty period, Air King will, at its sole option, repair or replace any part or parts that prove to be defective or replace the whole product with the same or comparable model.

**WHAT THIS WARRANTY DOES NOT COVER:** This warranty does not apply if the product was damaged or failed because of accident, improper handling or operation, shipping damage, abuse, misuse, unauthorized repairs made or attempted. This warranty does not cover shipping costs for the return of products to Air King for repair or replacement. Air King will pay return shipping charges from Air King following warranty repairs or replacement.

**ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY), LAST ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE OR UNTIL THE ORIGINAL PURCHASER OF THE PRODUCT SELLS OR TRANSFERS THE PRODUCT, WHICHEVER FIRST OCCURS AND IN NO EVENT SHALL AIR KING'S LIABILITY UNDER ANY EXPRESS OR IMPLIED WARRANTY INCLUDE (I) INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM ANY CAUSE WHATSOEVER, OR (II) REPLACEMENT OR REPAIR OF ANY HOUSE FUSES, CIRCUIT BREAKERS OR RECEPTACLES. NOTWITHSTANDING ANYTHING TO THE CONTRARY, IN NO EVENT SHALL AIR KING'S LIABILITY UNDER ANY EXPRESS OR IMPLIED WARRANTY EXCEED THE PURCHASE PRICE OF THE PRODUCT AND ANY SUCH LIABILITY SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIOD.**

Some states and provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state and province to province. Proof of purchase is required before a warranty claim will be accepted.

## CUSTOMER SERVICE:

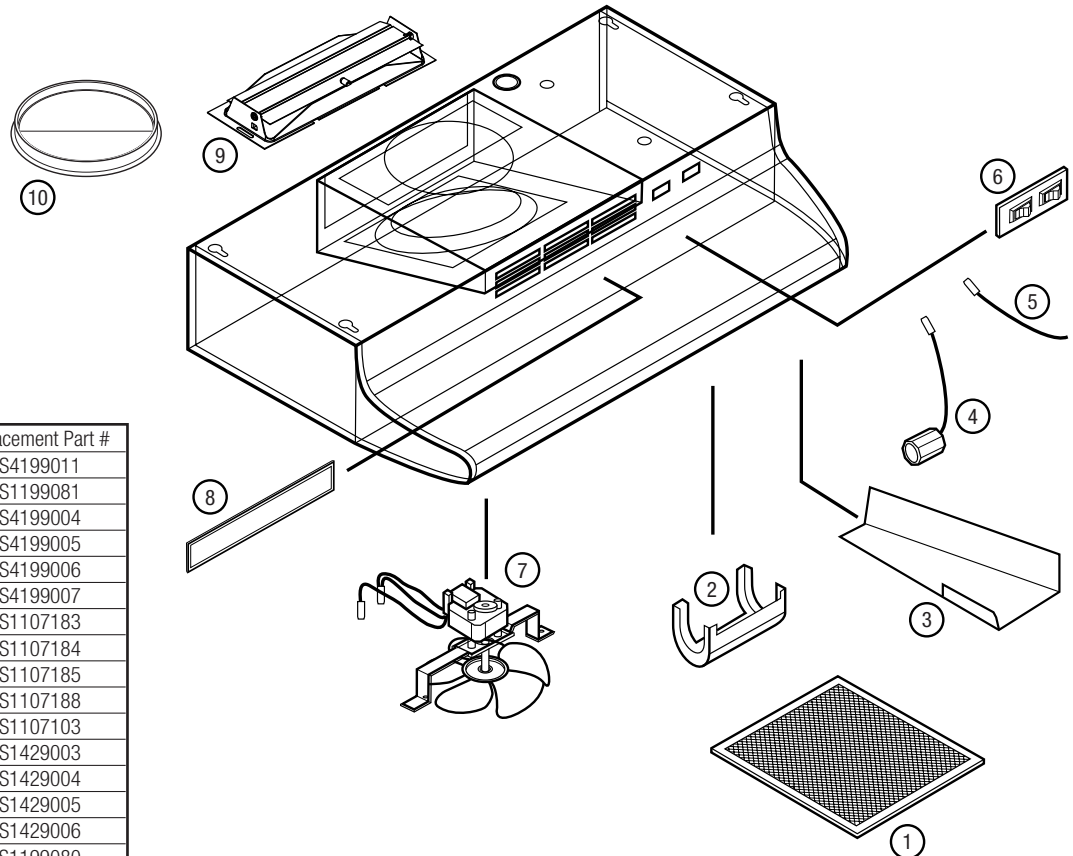
Toll-Free (800) 465-7300

Our Customer Service team is available to assist you with product questions, service center locations, and replacement parts. They can be reached Monday through Friday, 8am-4pm Eastern. Please have your model number available, as well as the type and style (located on the label inside of your product).

Please do not return product to place of purchase.

[www.airkinglimited.com](http://www.airkinglimited.com)

**PARTS FOR DISCONTINUED, OBSOLETE AND CERTAIN OTHER PRODUCTS MAY NOT BE AVAILABLE. DUE TO SAFETY REASONS, MANY ELECTRONIC COMPONENTS AND MOST HEATER COMPONENTS ARE NOT AVAILABLE TO CONSUMERS FOR INSTALLATION OR REPLACEMENT.**



#	Qty.	Description	Replacement Part #
1	1	Filter RF35	5S4199011
	-	Filter RF55	5S1199081
2	1	Light Lens	5S4199004
3	1	Wire Compartment Cover	5S4199005
4	1	Lamp Holder	5S4199006
5	1	Jumper Wire	5S4199007
6	1	Switch Plate with Switches - White	5S1107183
		Biscuit	5S1107184
		Almond	5S1107185
		Black	5S1107188
7	1	Motor Assembly	5S1107103
8	1	Louver Plate - White	5S1429003
		Biscuit	5S1429004
		Almond	5S1429005
		Black	5S1429006
9	1	Damper Assembly	5S1199080
10	1	Damper Assembly	5S1199112

Installer: \_\_\_\_\_

Installation Date: \_\_\_\_\_

Place of Purchase: \_\_\_\_\_

Model Number: \_\_\_\_\_