

## USE, CARE, AND INSTALLATION GUIDE

Read all Instructions before Installing and operating this appliance

MODELS: AK6500, AK6536, AK6542 Cyclone AK2500, AK2536 Hurricane

### IMPORTANT SAFETY NOTICE

## WARNING

### Installation

The installation in this manual is intended for qualified installers, service technicians or persons with similar qualified background. DO NOT attempt to install this appliance yourself. Injury could result from installing the unit due to lack of appropriate electrical and technical background.

All electrical wiring must be properly installed, insulated and grounded. Overly accumulated grease in old duct work should be cleaned out or duct work should be replaced if necessary to avoid the possibility of a grease fire. Check all joints on duct work to insure proper connection and all joints should be properly taped.

### Operations

Read all instructions in this manual before operating the appliance. Save these instructions for future reference.

Always leave safety grills and filters in place. Without these components, operating blowers could catch on to hair, fingers and loose clothing.

NEVER dispose cigarette ashes, ignitable substances, or any foreign objects into blowers.

NEVER leave cooking unattended. When frying, oil in the pan can easily overheat and catch fire. The risk of self combustion is higher when the oil has been used several times.

### Cleaning

The saturation of greasy residue in the blower and filters may cause increased inflammability. Keep unit clean and free of grease and residue build-up at all times to prevent possible fires.

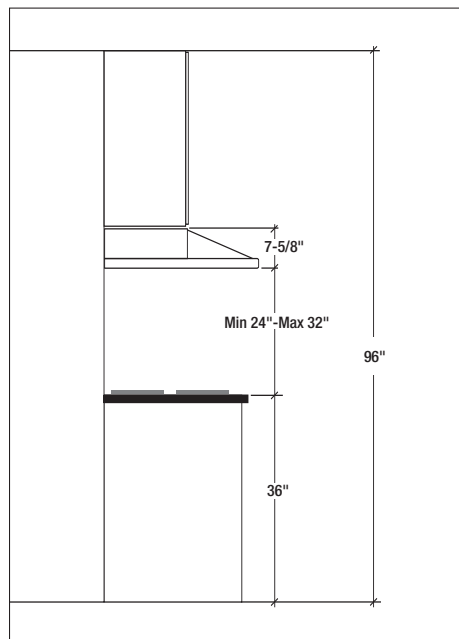
Filters must be cleaned periodically and free from accumulation of cooking residue (see cleaning instructions inside). Old and worn filters must be replaced immediately. Do not operate blowers when filters are removed. Never disassemble parts to clean without proper instructions. Disassembly is recommended to be performed by qualified personnel only. Call our service center for removal instructions.

The manufacturer declines all responsibility in the event of failure to observe the instructions given here for installation, maintenance and suitable use of the product. The manufacturer further declines all responsibility for injury due to negligence and the warranty of the unit automatically expires due to improper maintenance.

*\* Please check for latest specification revisions before any custom work or cutouts.*

## INSTALLATION

### MOUNT HEIGHTS



Minimum mount height between range top to hood bottom should be no less than 24".

Maximum mount height should be no higher than 32".

It is important to install the hood at the proper mounting height. Hoods mounted too low could result in heat damage and fire hazard; while hoods mounted too high will be hard to reach and will lose its performance and efficiency.

If available, also refer range manufacturer's height clearance requirements and recommended hood mounting height above range.

### DUCTING

A minimum of 6" round or 3-1/4" x 10" rectangular duct must be used to maintain maximum air flow efficiency.

Always use rigid type metal ducts only. Flexible ducts could restrict air flow by up to 50%.

Also use calculation (on right) to compute total available duct run when using elbows, transitions and caps.

ALWAYS, when possible, reduce the number or transitions and turns. If long duct run is required, increase duct size from 6" to 7 or 8". If a reducer is used, install a long reducer instead of a pancake reducer. Reduce duct size as far away from opening as possible.

If turns or transitions are required: Install as far away from opening and as far apart, between 2, as possible.

#### Minimum Duct Size:

Round:  
6" minimum  
Rectangular:  
3-1/4" x 10"

#### Duct Run Calculation:

##### Maximum run

|                         |        |
|-------------------------|--------|
| 6" or 3-1/4" x 10" duct | 100 FT |
| Deduct:                 |        |
| each 90 Elbow used      | 15 FT  |
| each 45 elbow used      | 9 FT   |
| each 6" to 3/14 x 10"   |        |
| transition used         | 1 FT   |
| each 3/14 x 10" to 6"   |        |
| each 3/14 x 10" to 6"   |        |
| transition used         | 5 FT   |
| Side Wall Cap w/ damper | 30 FT  |
| Roof Cap                | 30 FT  |

e.g. - 1 roof cap, 2x90 elbows, 1 x 45 elbow used:  
=30' + 30' + 9' =69' used, 31' available for straight duct runs.

## INSTALLATION

### DUCTING

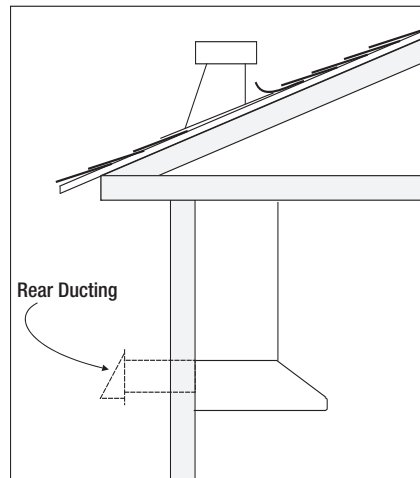
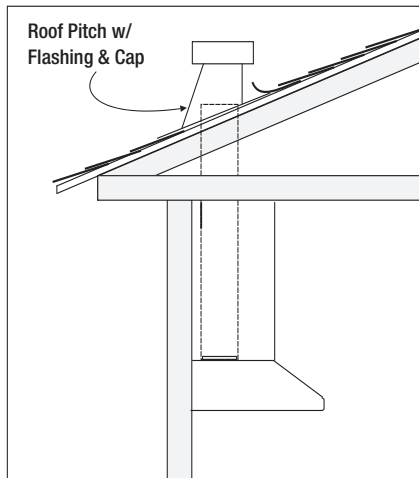
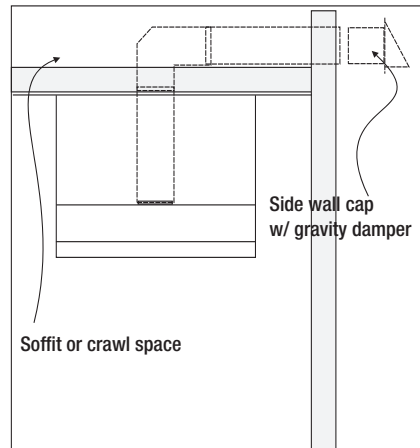
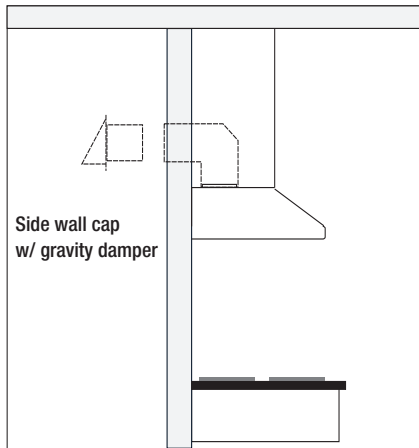
#### WARNING FIRE HAZARD

NEVER exhaust air or terminate duct work into spaces between walls, crawl spaces, ceiling, attics or garages. All exhaust must be ducted to the outside.

Use metal ductwork only.

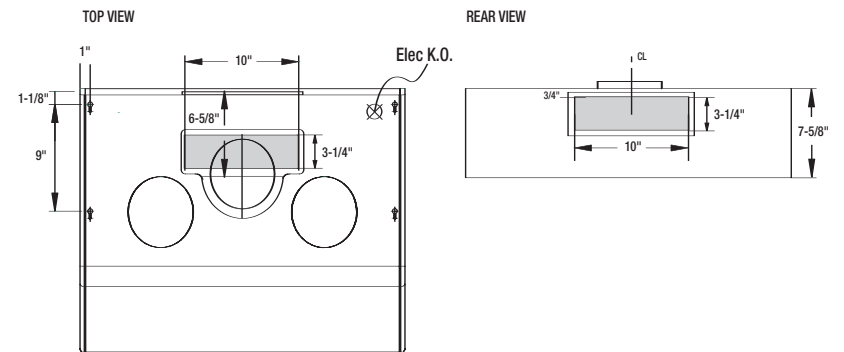
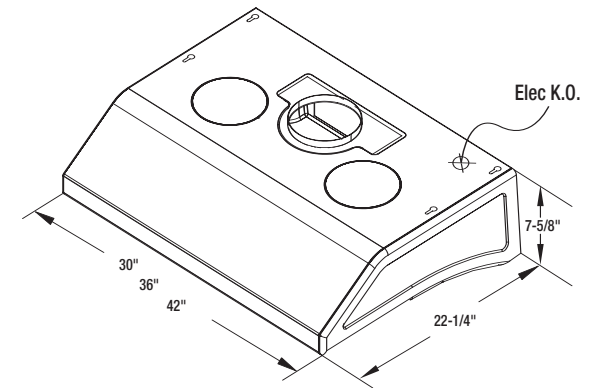
Fasten all connections with sheet metal screws and tape all joints w/ certified Silver Tape or Duct Tape.

#### Some Ducting Options:



## INSTALLATION

### SPECIFICATIONS



## INSTALLATION

### MOUNTING THE RANGEHOOD

#### ELECTRICAL

##### WARNING

All Electrical work must be performed by a qualified electrician or person with similar technical know how and background.

For personal safety, remove house fuse or open circuit breaker before beginning installation. Do not use extension cord or adapter plug with this appliance.

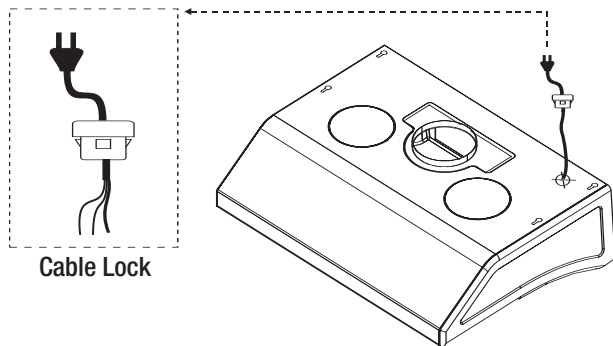
Follow National electrical codes or prevailing local codes and ordinances.

##### Electrical Supply:

This appliance requires a 120V 60Hz electrical supply, and connected to an individual, properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delay fuse. Wiring must be 2 wire w/ ground. Please also refer Electrical Diagram labeled on product.

##### Cable Lock:

A cable locking connector (not supplied) might also be required by local codes. Check with local requirements and codes, purchase and install appropriate connector if necessary.

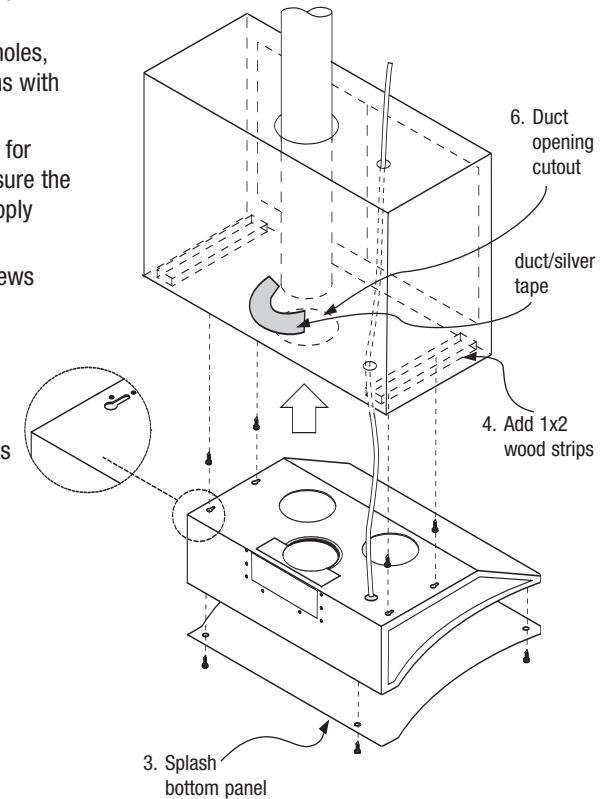


Cable Lock

## INSTALLATION

### MOUNTING THE RANGEHOOD

1. This range hood is mounted under a kitchen cabinet unit.
2. Select preferred duct location on rear or top of unit. (See page 6 & 7 for ducting conversion options)
3. Begin installation by temporarily unscrewing and removing the bottom splash panel.
4. Reinforce cabinet base with 1x2 wood strips if additional strengthening is required.
5. Temporarily position the range hood in the desired mounting location. Measure and mark the mounting holes, duct and electrical access locations with a pencil.
6. Drill/cut out the required openings for duct and electrical access; make sure the duct opening is large enough to apply duct tape.
7. Fasten hood onto cabinet with screws and washers provided.
8. Install electrical.
9. Install duct work and duct-tape.
10. Reinstall the bottom splash panel.
11. Power up hood and check for leaks around duct-tape.



## INSTALLATION

### CONVERTIBLE OPTIONS

This range hood is equipped with the option of a 6" vertical discharge, 3 1/4"x10" vertical discharge, or 3 1/4"x10" rear discharge. Additional accessories are provided to convert to either of the above discharge methods.

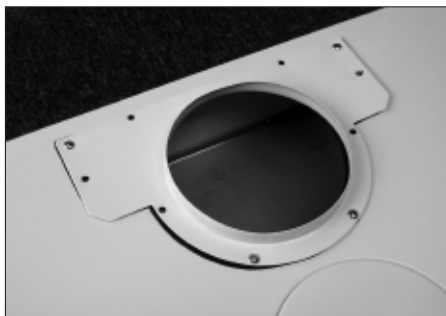
#### Convertible Options

|                           |            |
|---------------------------|------------|
| Vertical discharge        | 6" round   |
| Vertical discharge        | 3 1/4"x10" |
| Horizontal rear discharge | 3 1/4"x10" |

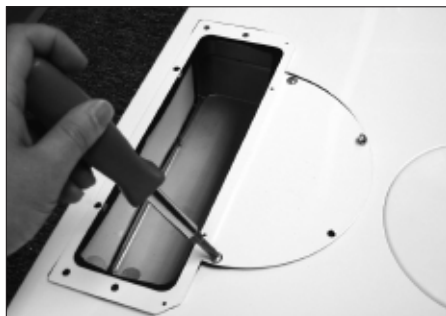
#### Convertible Accesories

|   |
|---|
| Round to rectangular transition adaptor               |
| Rectangular to round transition adaptor (pre-mounted) |
| Gasket (pre-mounted)                                  |
| Rectangular rear cap (pre-mounted)                    |
| 3 1/4"x10" starting collar                            |

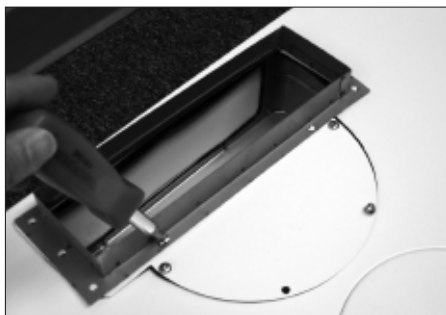
### 3 1/4"x10" Vertical Discharge



1. Remove pre-mounted 6" transition adaptor or duct opening. Leave attached gasket in its original place.



2. Place rectangular transition adaptor as shown over gasket and by first installing 4 screws on half round section.

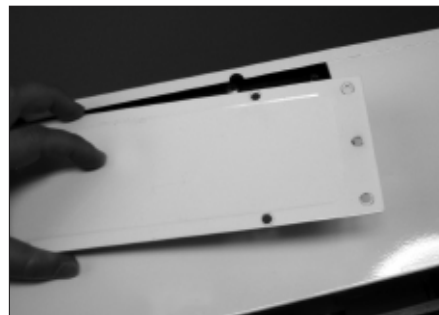


3. Mount the 3-1/4"x10" starting collar on top of transition piece with remaining screws.

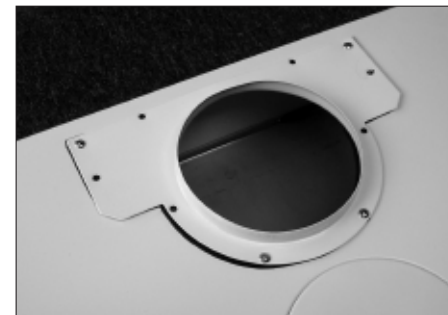
## INSTALLATION

### CONVERTIBLE OPTIONS

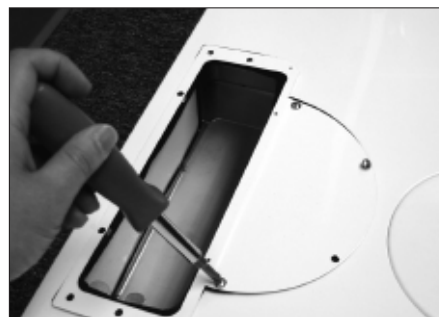
### 3 1/4"x10" Rear Discharge



1. At rear of range hood, remove all screws on pre-mounted rear rectangular cap and remove cap.



2. Remove top pre-mounted transition piece. Leave attached gasket in its original place.



3. Mount rectangular transition piece at opening with gasket as shown.



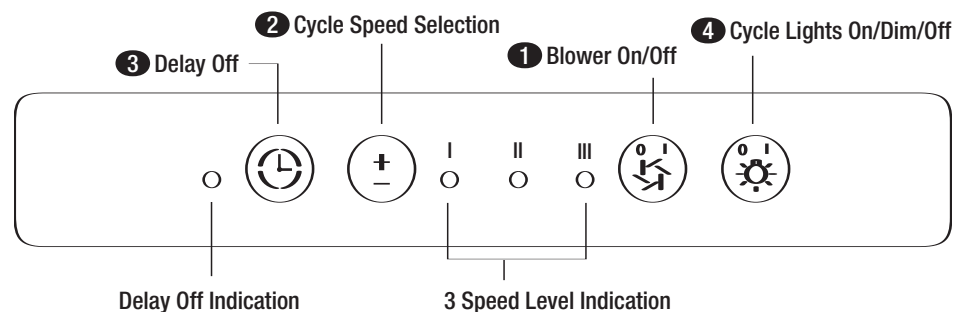
4. Mount rectangular cap (previously removed) on top of transition adaptor.









5. Mount starting collar (provided) at rear discharge opening with gasket.

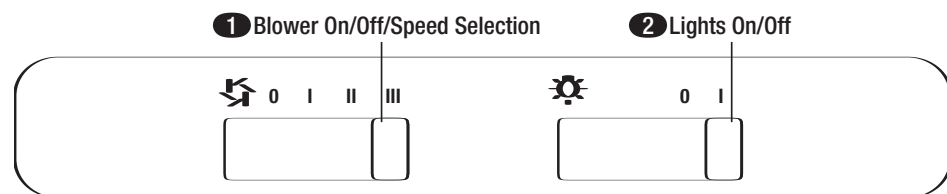
## CONTROLS & FEATURES

### CONTROLS & FEATURES (Models AK2500, AK2536)



- 1 Blower On/Off**  
By pressing , the blower is turned On and Off.
- 2 Cycle Speed Selection**  
Cycle through 3 speed levels by pressing , the display indicates level selected.
- 3 Delay Off**  
This switch is used for programmed shut down of blower and lights 5 minutes after the function is activated. Press  once, the flashing indicator to the left indicates the function is on. The hood will completely shut down in 5 minutes.
- 4 Cycle Lights On/Dim/Off**  
Switch lights On  by selecting this switch. To Dim lights, activate  again. Selecting  one more time, will turn lights Off

### CONTROLS & FEATURES (Models AK6500, AK6536, AK6542)



- 1 Blower On/Off/Speed Selection**  
This switch turns the blower on and off and controls the speed selection. **0** is off, **I** is low speed, **II** is medium speed and **III** is high speed.
- 2 Lights On/Off**  
Turn lights on **I** or off **0** with this switch.

## CLEANING AND MAINTENANCE

### SELF CLEAN FEATURE

#### Using Self Cleaning:



**WARNING:** Use only non-corrosive & non-abrasive grease cutting detergents.  
**DO NOT USE OVEN CLEANERS.**

Models AK6500, AK6536, AK6542, AK2500, AK2536 hoods are designed with a self cleaning feature. The centrifugal blower system automatically liquefies cooking residue accumulated in its internal housing, and deposits the residue in the cleaning cup. Nevertheless, grease from cooking can also dry and adhere in the internal housing. Running the self clean function periodically will flush out accumulated residue in the range hood's internal housing.

#### Cleaning Frequency:

Cleaning should be completed approximately once a month under normal use.

#### Detergent:

Non-corrosive, non-abrasive grease cutting spray detergents are recommended.

#### Self Clean:

Turn blower on lowest speed for cleaning.

With nozzle on 'spray', squirt the grease cutting detergent through the safety grill, directly onto blower blades 10-15 times.

Allow self cleaning to complete for 5 minutes, turn blower off.

Remove cleaning cup. Clean w/ mild detergent or in dishwasher under normal wash cycle.

*(If desired, repeat above steps with water to rinse out detergent)*



## MAINTENANCE

### LIGHTS

#### Replacing Light Bulbs

**CAUTION:** Light bulb becomes extremely hot when turned on.  
**DO NOT** touch bulb until switched off and cooled. Touching hot bulbs could cause serious burns.

Make sure all power is turned off and bulbs are not hot.

Remove by turning bulb counter clockwise.

If bulbs are difficult to turn due to prolonged use, firmly attach a glass suction cup approx. the diameter of the bulb and turn.

Replacement bulbs are available at specialty lighting stores.

**AK6500, 6536, 6542**

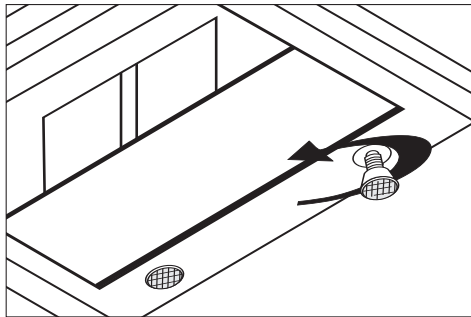
Purchase type: 40R 14 mini flood light bulbs

**AK2500, 2536**

Purchase type: GU 10 halogen bulbs

Or to order bulbs, please call our service center: **888-880-8368** or online parts store:

**[www.zephyronline.com](http://www.zephyronline.com)**



## WARRANTY

### TO OBTAIN SERVICE UNDER WARRANTY:

You must present proof of original purchase date.  
Please keep a copy of your dated proof of purchase (sales slip)  
in order to obtain service under warranty.

#### One Year Service Repair Warranty:

For one year from date of original purchase, we will provide free of charge, service labor to repair any failed parts or components due to manufacturing defects.

#### Two Years Parts Warranty:

For two years from date of original purchase, we will provide free of charge, nonconsumable replacement parts or components that failed due to manufacturing defects.

Consumable parts not covered by this warranty include: Light Bulbs, Metal and Carbon Filters.

#### Who is Covered:

This warranty is extended to the original purchaser for products purchased for ordinary home use in the 48 mainland states, Hawaii and Washington D.C.

**In Canada and Alaska, this warranty is Limited.** There might be costs associated with shipping the products to our designated service locations or you might need to pay service technician's travel costs, to have the appliance repaired in-home.

#### This Warranty will be Voided when:

Product damaged through negligence, misuse, abuse, accident.

Improper installation and failure to follow installation instructions. When product is used commercially or other than its intended purpose.

Damaged because of improper connection with equipment of other manufacturers.

Repaired or modified by anyone other than Zephyr's Authorized Agents.

#### What is Not Covered:

Consumable parts such as light bulbs, filters, and fuses.

Services outside of service area and the labor cost incurred in connection with the removal, shipping and reinstallation cost, nor does it cover any other contingent expenses.

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 due to abuse, misuse, freight damage, or improper installation.

Service trips to your home to teach you how to use the product.

Damage of product caused by accident, fire, floods or act of God.

This warranty is valid in the United States and Canada. It is non-transferable and applies only to the original purchaser and does not extend to 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.

**TO OBTAIN SERVICE UNDER WARRANTY**  
or any Service Related Questions, please call:

**1-888-880-8368**

Have your product proof of purchase with date ready for warranty issues.

Or write to:

**Zephyr Corporation**  
**Service and Warranty Department**  
**395 Mendell Street**  
**San Francisco, CA 94124**