

From MaxxAir Vent Corporation



Read and  
Save These  
Instructions

## MaxxFan Deluxe Installation Instructions-Model Series 5100K-8501K

**WARNING** - To reduce risk of fire, injury to persons or damage to property, use only in the manner intended by MaxxAir Vent Corp. If you have questions, contact MaxxAir Vent Corp. @ 1-800-780-9893



**NOTE:** Refer to supplied Operating instructions regarding the model you have purchased.

The MaxxFan installs into a standard RV roof opening of 14 by 14 inches.

To determine if your roof opening is correctly sized, simply remove the interior ceiling garnish trim ring of your existing roof vent and measure the ceiling opening or verify the opening is large enough by sliding the MaxxFan interior Garnish trim ring into the opening.

Due to the exhaust/intake louvers that face the rear of the vehicle, the MaxxFan requires a roof area clear of obstructions such as air conditioners, storage boxes, etc. for at least 8 inches to the rear of the existing standard roof vent flange outer rear edge.

The MaxxFan is designed for a minimum roof thickness of 1 1/8 inches to a maximum of 6 1/2 inches. If your roof thickness is less than 1 1/8 inches, build additional thickness at the ceiling opening using wood or other suitable material.

The MaxxFan requires a minimum 12 Volt DC, 5 amp service. Confirm that the circuit you intend to use will accommodate the additional load. Use the proper gauge stranded wire for electrical connections.

### Step 1

MaxxFan requires a 14" x 14" roof opening, if you are replacing another type already installed, remove the old existing roof vent. Remove all old roof sealant for a minimum of 2" entirely around the roof opening.

Place the MaxxFan Roof Receiving Flange (ref. photo #3) into the roof opening and trace a pencil line around it to verify the clean seal area that will be required. Note that the Roof Receiving Flange must be centered in the roof opening with the metal clips facing the sides of the vehicle (not facing the front or rear of the vehicle).

### Step 2

**CAUTION:** When installing your Roof Flange, only use a caulking/sealant compatible with the flange (plastic product) and the roof surface. DO NOT use materials containing solvents such as or similar to Xylene, Toluene, Methyl Ethyl Ketone, Acetate or Acetone as they can damage the flange. Also, Polysulfide (Thiokol) type sealants must be avoided. If in doubt, contact the manufacturer of your RV for further information.

### Step 3

Prior to installing the Roof Flange into the roof opening, apply a continuous strip of "Butyl" tape to the underside of the flange, making sure to cover the screw holes. Fasten the Roof Receiving Flange to the roof with the screws provided.

Remove any excess butyl tape that may have squeezed out. Using a sealer such as Dicor 501SW self-leveling Lap Sealant or silicone sealer, apply a dab over every exposed screw head. In addition, apply a bead (approximately 3/16") along the outside edge of the flange all the way around the Roof Flange.



**Caution: Disconnect main vehicle power before connecting 12 volt DC power to the MaxxFan!**

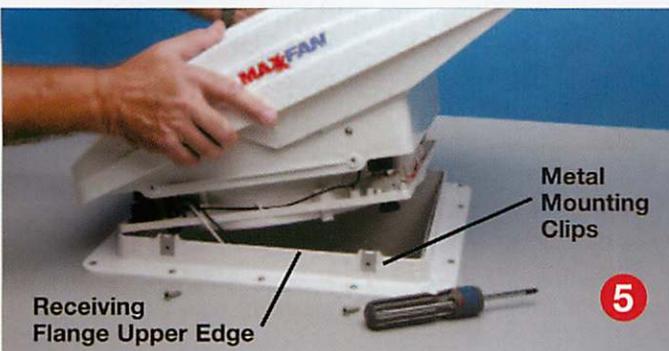
**NOTE:** MaxxFan must be fully opened prior to proceeding to step 4. Turn knob to fully raise the vent lid.

**NOTE:** On the non-remote controlled MaxxFan, the knob must be pulled out to unlock before turning.

### Step 4

Using the insulated 16 gauge electrical connectors provided, connect the vehicle's 12 volt power to the two MaxxFan power wires located on the driver side of the MaxxFan.

**Note: The MaxxFan black wire identified with a tag showing (+) must be connected to the vehicle 12 volt (+) positive supply.**



### Step 5

Confirm that the 4 metal mounting clips are firmly in place on the Roof Receiving Flange. With the MaxxFan open and the exhaust/intake louvers facing the rear of the vehicle, lower the MaxxFan onto the Roof Receiving Flange.

Make sure the power wires slide to the vehicle interior and do not become entangled on the Roof Receiving Flange upward edge.

### Step 6

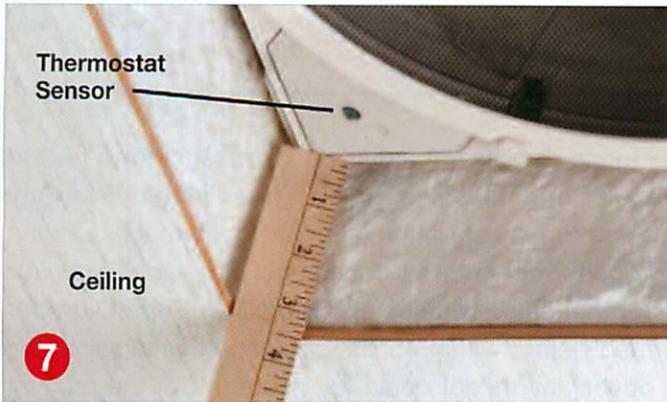
Verify the MaxxFan is fully seated down on the Roof Receiving Flange and fasten the MaxxFan to the Roof Receiving Flange using the four 3/4 inch long by #10 Stainless Steel screws provided. (Caution: Only use screws provided/specified for this installation or internal damage and/or insecure mounting may result.)

*This completes the roof top portion of the installation.*



**NOTE:** Re-apply 12 volt vehicle power. The MaxxFan will emit a beep sound to indicate power is properly connected. In addition, the Remote Control model will automatically close the Vent Cover. If the MaxxFan does not beep when power is connected, go back to Step #4. Confirm that proper connections were made and 12 volt power is on/available. This MaxxFan incorporates a (non-replaceable) resetting fuse on the circuit board located in the ceiling assembly. It can be reset by removing and re-applying power. If your fan fails to operate or needs reset, contact Customer Service @ 1-800-780-9893 for assistance or solicit the aid of an electrical technician.

**For Remote Control Models:** Refer to the Operating Instructions for use and testing of your remote control. Install two AAA batteries, follow instructions, aim remote at the ceiling unit and test your fan. The Remote Control comes with a cradle for wall mount storage of the Handheld Remote Control. Mount the cradle to your wall using the screws provided.



## Step 7

The interior Garnish Trim Ring must be trimmed to fit your particular RV roof thickness. To accomplish this, measure the distance from the vehicle ceiling surface to each corner of the **MaxxFan** Control Plate.

Most RV roofs have some slope, so measuring each corner is necessary. The Garnish ring should be cut 1/4 to 1/2 inch longer than the dimensions measured at each corner.

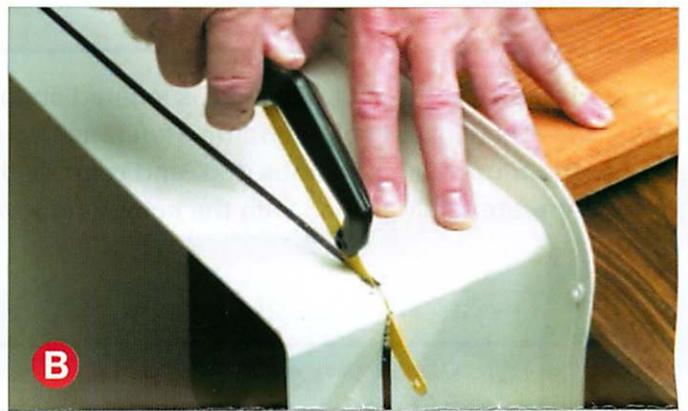
*In the picture (#7) to the left, the installation measures 3 and 1/2 inches from the ceiling (example only) to the Control Plate. Go to 7A & 7B.*

**NOTE:** Do not probe or tamper with the thermostat sensor shown in photo #7.



**7A** - After adding, in this example, 1/2 inch more, a line is drawn on the outside of the Garnish Ring at 4 inches.

*(Measurements are an example for illustration purposes only.)*

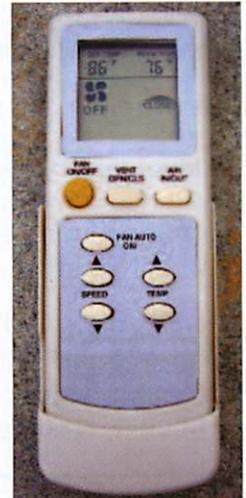


**7B** - Connect all four corners with a line at the required dimension and trim accordingly.



## Step 8

Complete the installation by placing any excess wiring to the inside of the roof opening and sliding the Garnish Ring into position. Fasten in place using the four painted flat head screws provided.



**On Remote Control Models:** Attach provided cradle to wall with (2) #6 screws provided. Handheld Remote Control may be placed into wall cradle for storage

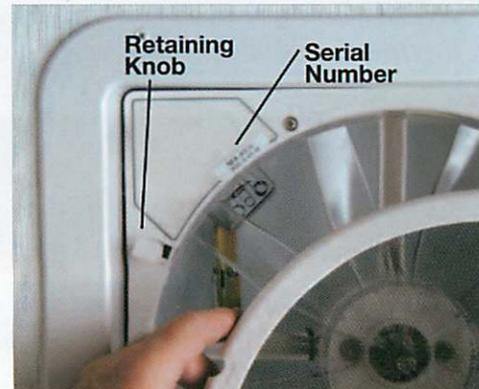
**Congratulations!** You have successfully completed the installation of your new MaxxFan. If there is anything we can do for you, please visit our website [www.maxxair.com](http://www.maxxair.com) or call us at: (800) 780-9893

# MaxxFan<sup>®</sup> Two Year Limited Warranty

MaxxAir Vent Corp. warrants this product to be free of manufacturing defects, regardless of ownership for a period of two years from the original date of purchase. You must keep your original sales receipt. This Limited Warranty does not include failure due to accidents, "Acts of God", misuse, improper installation or incidental damages. During the two year warranty period, if your MaxxFan fails to operate properly under normal conditions, please call MaxxAir toll free at 1-800-780-9893 for assistance. Please have your original sales receipt and MaxxFan Serial Number readily available when you call. MaxxAir will correct a confirmed defect within 45 days by repair or replacement without charge for materials or labor. This warranty does not cover any freight costs for the return of the product to or from MaxxAir Vent Corp., or costs associated with installation, removal or reinstallation of the product.

We invite your comments and suggestions regarding our products. Any information you supply is for MaxxAir's internal use and will not be shared or sold to others.

The Serial number for your MaxxFan is located on the fan control plate under the round insect screen frame. Reference your operating guide. Rotate the four retaining knobs 180° and remove the screen to view. Do not operate the MaxxFan with the screen removed.



## CAUTIONS AND CARE OF THE MaxxFan

This product has been manufactured using prime UV stabilized Polymers for maximum toughness and durability. However, the use of non-compatible chemicals will cause cracking and product failure.

**Please clean all parts with mild soap and water only.**

Do not use Petroleum Containing Additives or Solvent Based Products on any of the MaxxFan's components or its corrosion resistant hardware.

Listed below are some known chemical products to be aware of:

### **NON COMPATIBLE CHEMICALS - DO NOT USE THESE**

Keytones, Esters, Acetone or other like solvents, Halogenated Hydrocarbons, Amines, Aromatic Hydrocarbons, (Loctite Formulas), or references re: chemicals that are not to be used on Plastics.

### **GENERALLY COMPATIBLE (But should be used in low concentration where possible)**

Acids, Alcohol, Alkalis, Aliphatic Hydrocarbons, Mild Soap solution (avoid strong Alkaline material), Silicone Oil or Greases (avoid those containing Aromatic Hydrocarbons or other additives). **Review the contents of your cleaning materials carefully.**

For additional information about your MaxxFan, please read the enclosed "Information and Operating Guide".

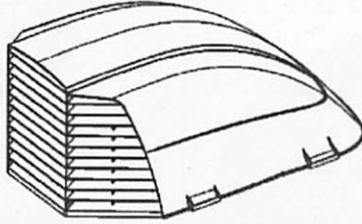


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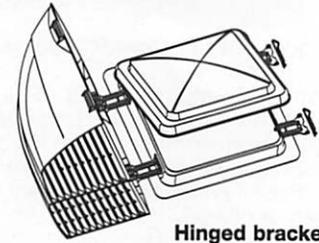
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### MAXAIR II Vent Cover

Exclusive side louvers provide unsurpassed cross ventilation



- More vent area than any other vent cover
- Hinged hardware included for easy opening and cleaning - No Tools Required
- Solid one-piece, sleek aerodynamic design
- 6-year limited warranty, best in the industry



Hinged brackets provide full access for cleaning and inspection of roof vent seal.



### MaxxAir<sup>®</sup> Vent Cover

- Ventilation... without worry about the weather
- Available in White, Almond, Smoke Tint and Black
- Fits 14" x 14" standard roof vents
- **New, Limited 6 year warranty!**

### WINDOW/MAXX<sup>®</sup> Louvered Window Vent

- Refreshing cross-ventilation... RAIN OR SHINE!
- Ideal ventilation for pets
- Mounts to the exterior frame of either right or left hand sliding window
- For sliding windows up to 33" tall
- Limited 3 year warranty (Not recommended for curved or escape type windows)



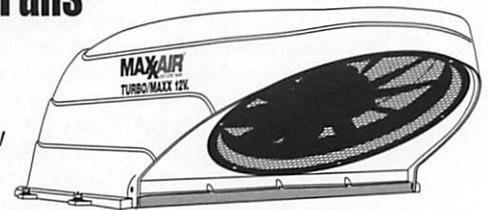
### FAN/MATE<sup>®</sup> Rain Cover for High-Powered Ceiling Fans

- Model 850 and Model 950 (Black) feature a 20% larger vent area for better fan performance
- Both Model 850 and Model 950 (Black) have protective exhaust screen and louvers
- Both models feature hinge opening mounting brackets that provide easy access for cleaning and service



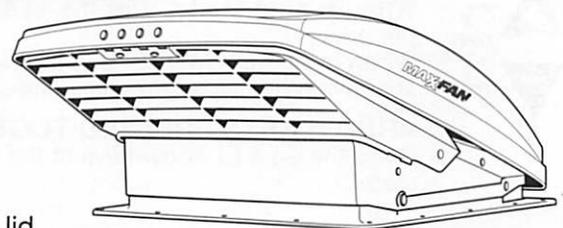
### TURBO/MAXX<sup>®</sup> All Weather RV Ventilator Fans

- Powerful 12 volt, 4 amp motor provides over 900 CFM on high speed, 680 on medium and 500 on low @ 1.4 amps
- Large 12" diameter opening with 10 bladed fan allows high volume air flow
- Mounts to most 14" roof vents, with NO VENT REMOVAL REQUIRED
- Limited 2 year warranty



### MAXXFAN<sup>™</sup> Deluxe Model with Built-In Rain Cover

- Remote control models now include backup controls at ceiling - A MaxxFan Exclusive!
- Flush mounted, easy to clean Keypad, controls fan speed, thermostat, air intake and exhaust
- Fan runs with lid closed to circulate air (Ceiling Fan Mode)
- 2-YEAR Limited WARRANTY with LIFETIME Limited WARRANTY on lid



For more information, please visit our website at [www.maxxair.com](http://www.maxxair.com) or call us at 1-800-780-9893

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# MaxxFan™ Deluxe Information and Operating Guide

The Customer Service Phone Number for MaxxAir is 800-780-9893, e-mail is [custservice@maxxair.com](mailto:custservice@maxxair.com)

## MaxxFan™ Deluxe Model Series 5100K-8501K

### Knob, Vent Lid Open/Close

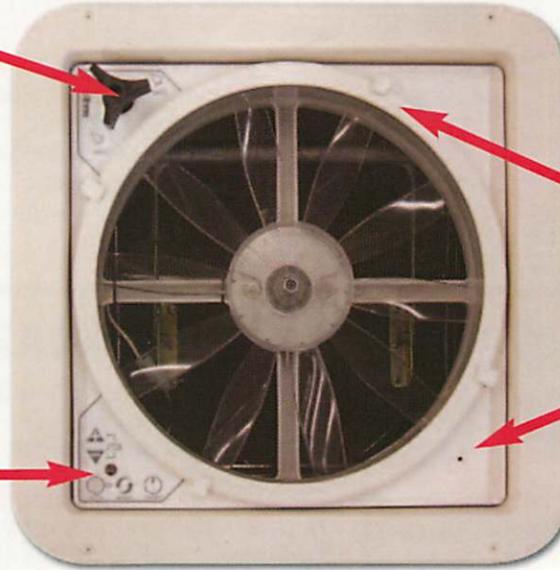
**Manual Opening Models** - Pull to unlock prior to turning. Rotate knob clockwise to close vent lid; Rotate knob counter-clockwise to open vent lid. Push "in" to lock when vent lid is open or closed.

**Automatic Opening Models** - Allows closing of the vent lid in the event of RV power loss. This knob does not lock. Do not push in or pull out. Rotate knob clockwise to close vent lid; Turn knob counter-clockwise to open vent lid.

**Do not use excessive force when operating.**

### Keypad Controls

Use Keys on Keypad to control MaxxFan functions (see descriptions below).



### Ceiling Fan Mode

With the fan motor running, close the Vent Lid to enter Ceiling Fan Mode. The fan motor will continue to run and circulate air within the RV cabin.

### Insect Screen Retainer Knob

Rotate all 4 knobs 1/2 turn to remove screen.  
Caution: Never operate fan with screen removed

### Thermostat Temperature Sensor

**NOTE: The MaxxFan is designed to be fully opened or fully closed when the vehicle is moving.**

### KEYPAD CONTROLS

**Note: A beep sound will confirm each key press.**



ON/OFF

**ON/OFF** - Use this key to start the fan or to turn off the fan. On Automatic Opening Models the lid will also open or close when the fan is turned on or off.

On Manual Opening Models pushing this key while in Auto Mode will exit Auto Mode, turn off the fan and the lid will stay in the position you selected. On Automatic Opening Models this button will exit Auto mode, turn the fan off, and close the lid.



IN/OUT

**IN/OUT** - Use this key to reverse the direction of the fan, the fan will slow down and pause for 2 seconds before resuming operation in the opposite direction.

**Note:** In Auto Mode the fan direction is automatically positioned to Exhaust, but may be overridden and changed to Intake by depressing this key

**Note:** Some models are Exhaust Only, on these models this key is deleted.



AUTO

**AUTO** - Auto Mode allows the thermostat to turn the fan On and Off depending on the thermostat setting.

Press this key once for less than 3 seconds to enter Auto Mode, 3 quick beeps will confirm the MaxxFan has entered Auto Mode. To exit Auto Mode press the ON / OFF key. Initial factory set point for the thermostat is 78°F, to adjust this follow instructions below. The green LED will light to indicate the MaxxFan is in Auto Mode.

If no previous thermostat temperature was entered, or you wish to change a previous set temperature, press the "HOLD TO SET" key for more than 3 seconds and you will hear one long beep and the thermostat will be reset to 78°F. To further adjust set temperature, if desired, use the (+) or (-) Arrow keys to adjust at 1°F per press. The fan will make a beep sound to confirm this setting.

If a previous thermostat temperature was entered, the fan will remember this temperature setting and the next time you enter Auto Mode the fan will start ventilating automatically as directed by the thermostat. The fan speed will automatically adjust based on the cabin temperature. As cabin temperature rises, the fan increases in speed.

**NOTE:** If 12 volt RV power is removed from the MaxxFan, the thermostat will be reset to 78°F



### ARROW

**When in Auto Mode** - Use the (+) & (-) Arrow keys to adjust the thermostat set temperature up or down by 1°F per press.

**When in Manual Mode** - Use the (+) & (-) Arrow keys to adjust the fan speed up or down. When the fan speed reaches either the maximum or minimum speed, the fan will respond with 2 quick beeps to indicate this.

### ARROW KEYS PRESSED TOGETHER - Automatic Lift Models Only

Press the (+) & (-) Arrow keys at the same time to Open or Close the lid. The fan motor will remain in it's current state.

**Caution: When removing the screen for cleaning, turn the MaxxFan "OFF" and remove the vehicle 12 volt power to the MaxxFan. When cleaning your MaxxFan use only mild detergent solution.**



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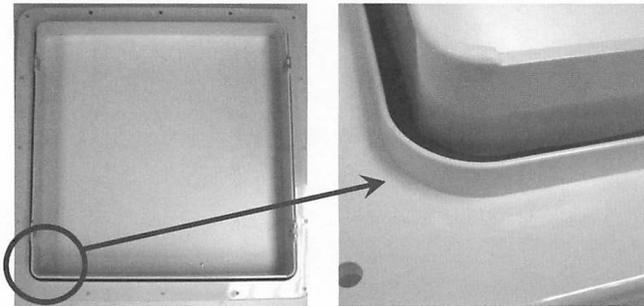
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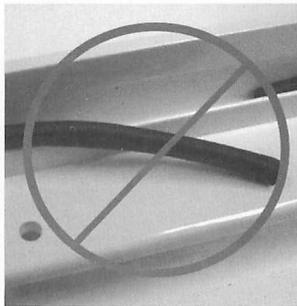
## ATTENTION INSTALLER:

MaxxAir Vent Corp. has updated the MaxxFan Deluxe to better prevent unwanted water intrusion from extreme wind-driven rain or high-pressure wash situations. There is now a gasket installed into the Roof Flange which is compressed by the MaxxFan body during installation. Please make sure the gasket is fully seated in the Roof Flange before installation. Also, you may need to press down on the MaxxFan body during installation when installing the #10 screws that hold the MaxxFan body to the Roof Flange.

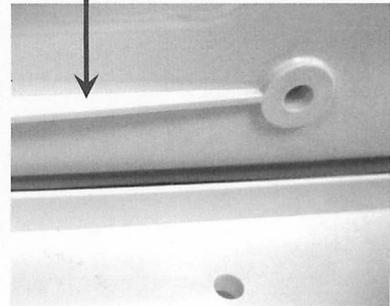
Roof Flange with gasket installed



If gasket is out of Roof Flange, carefully press it back in with a screwdriver or other similar object.



Press down on small flange to compress gasket when installing screws.



# MaxxAir Limited Warranty Owner Registration Card

**Contains Important Data**  
**for the RV Owner**



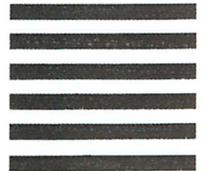
NO POSTAGE  
NECESSARY  
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UNITED STATES

**BUSINESS REPLY MAIL**

FIRST-CLASS MAIL      PERMIT NO. 94      TAMPA, FL

POSTAGE WILL BE PAID BY ADDRESSEE

MAXXAIR VENT CORPORATION  
5513 W SLIGH AVE.  
TAMPA FL 33634-9731



# MaxxFan Limited Warranty / Owner Registration Card

Register your warranty "on line" at [www.maxxair.com](http://www.maxxair.com) or mail in the postage free card below.

**MaxxAir Vent Corp. warrants** this product to be free of manufacturing defects, regardless of ownership for a period of two years from the original date of purchase. **You must keep your original sales receipt.** This **Limited Warranty does not include** failure due to accidents, "Acts of God", misuse, improper installation or incidental damages. During the two year warranty period, **if your MaxxFan fails to operate** properly under normal conditions, please **call MaxxAir toll free at 1-800-780-9893** for assistance. Please have your original sales receipt and MaxxFan Serial Number readily available when you call. The serial number shown on this card is also located underneath the round interior insect screen and below the rectangular exterior screen on the MaxxFan Housing (located on the roof). MaxxAir will correct a confirmed defect within 45 days by repair or replacement without charge for materials or labor. This **warranty does not cover** any freight costs for the return of the product to or from MaxxAir Vent Corp., or costs associated with installation, removal or reinstallation of the product.

We invite your comments and suggestions regarding our products by filling out the postage free card below or e-mailing us at [customerservice@maxxair.com](mailto:customerservice@maxxair.com).

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Print Serial Number Above

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**Phone 1-800-780-9893 • 813-882-8282 • Fax 813-876-2550 • [www.maxxair.com](http://www.maxxair.com)**  
**Please detach here and keep this portion for your records**

## MaxxAir Vent Corp. - Owner Registration Card *(Please Print)*

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Prov \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Purchased From \_\_\_\_\_  At Store  From Catalog

Purchase Date \_\_\_\_\_ Price \_\_\_\_\_ RV Make/Model \_\_\_\_\_

Class A  Class C  5th Wheel  Pop-up  Work Trailer  Other \_\_\_\_\_

Primary use of your RV \_\_\_\_\_

*(i.e. Full Timer, Pleasure, Business, Racing)*

How did you hear about MaxxAir products? \_\_\_\_\_

Do you own other MaxxAir Products:  Yes  No  Standard Vent Cover  EZ/Maxx®

MaxxAir II Vent Cover  Fan/Mate®  Window/Maxx®  Tuff/Maxx®  Turbo/Maxx®

Would you like information on other products?

Yes  No

Did you install this MaxxFan yourself?

Yes  No

Were instructions easy to read/understand?

Yes  No

Were any parts missing? (Please list below)

Yes  No

Other Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Print Serial Number Above