

From MaxxAir Vent Corporation



# MaxxFan™ Installation Instructions

Model 5100 and 5200



Patent Pending

## NOTE

*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 rear exhaust louvers, the MaxxFan requires a roof that is 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 outside rear edge.*

*The MaxxFan is designed for a minimum roof thickness of 1 1/8 inches to 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 12 Volt 5 amp service. Confirm that the circuit you intend to use will accommodate the additional service load. Use the proper gauge stranded wire for electrical connection.*

## Step 1

Remove the old existing roof vent and remove all old roof sealant for a minimum of 2" entirely around the roof opening.

Place the **MaxxFan** Roof Receiving Flange 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

Apply factory recommended roof sealant to the area traced with the pencil. Apply roof sealant carefully so that no gaps are present that may allow water to enter.

## Step 3

Fasten the Roof Receiving Flange to the roof with the screws provided.

Apply additional roof sealant over the screw heads and around the edge of the roof flange.

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

## Step 4

Using the insulated electrical connectors provided connect the vehicle 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.**



## NOTE

After making the 12 volt power connections you may re-apply vehicle power and temporarily operate the **MaxxFan** to verify proper wire connection. Please note that the **MaxxFan** motor only operates when the **MaxxFan** is fully opened. Use the Vent Open Knob and fully raise the **MaxxFan** vent lid.

Verify that the fan operates in exhaust when the exhaust switch is selected, if not then reverse the 12 volt power leads to the **MaxxFan** and verify correct operation.

**Disconnect main vehicle power before proceeding!**

## Step 5

With the **MaxxFan** open and the exhaust louvers facing the rear of the vehicle lower the **MaxxFan** onto the Roof Receiving Flange.

Make sure the power wire 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 by #10 Stainless Steel screws provided.

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



## 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 shown to the left, the installation measured 3 and 1/2 inches from the ceiling to the Control Plate.*



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



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



## Step 8

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

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

## 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™ Two Year Limited Warranty**

**Model 5100 and 5200**

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MaxxAir Vent Corp. warrants this product to be free of manufacturing defects for a period of two years from the original date of purchase. This guarantee does not include failure due to accidents, acts of God, misuse or improper installation. If, during that period of time, your **MaxxFan** fails to operate properly under normal conditions, please call us on our toll free line 1-800-780-9893 for instructions. Proof of purchase is required. Please have your original sales receipt and **MaxxFan** Serial Number readily available when calling. MaxxAir will promptly correct the defect by repair or replacement, at its option, without charge for materials or labor. Unless otherwise authorized by MaxxAir, this warranty does not cover any transportation costs for return of the product or for reshipment of any repaired or replaced product, or cost associated with the 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.

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**The Serial number for you MaxxFan is located on the fan control plate under the round insect screen frame. Rotate the four retaining knobs and remove the screen to view. Do not operate the MaxxFan with the screen removed**



**Visit our website at [www.maxxair.com](http://www.maxxair.com)**

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