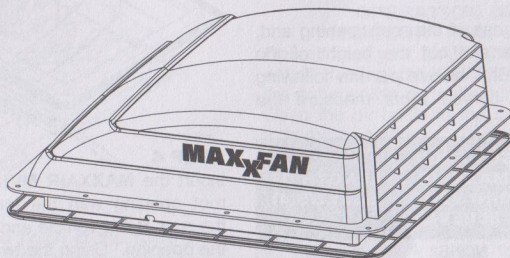


# MAXXAIR

## MINI VENT *and* MINI VENT Plus

### INSTALLATION INSTRUCTIONS, INFORMATION AND OPERATING GUIDE

FOR MAXXAIR MINI VENT MODELS 3700, 3750  
*and* MAXXAIR MINI VENT PLUS MODELS 3800, 3801, 3850, 3851



### READ AND SAVE THESE INSTRUCTIONS

**NOTE:** Refer to Installation Instructions, Information and Operation Guides regarding the model you have purchased.

The **MAXXAIR MINI VENT / MINI VENT Plus** 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 **MAXXAIR MINI VENT / MINI VENT Plus** sleeve into the opening.

The **MAXXAIR MINI VENT / MINI VENT Plus** is designed for a minimum roof thickness of 1 inch to a maximum of 4 1/2 inches.

The **MAXXAIR MINI VENT / MINI VENT Plus** requires a minimum 12 Volt DC, 2 amp service. Confirm that the circuit you intend to use will accommodate the additional load. Circuit must be fused and use appropriate gauge stranded wire for electrical connections.

**WARNING! TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:**

- Use this unit only in the manner intended by AIRXCEL, INC. If you have questions, contact the manufacturer.
- Before servicing or cleaning 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.

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

**MAXXAIR**  
VENTILATION SOLUTIONS

P/N: 10A03708Z  
08-2017



## INSTALLATION INSTRUCTIONS - ALL MODELS

**WARNING!** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

a) Installation work and electrical wiring must be done by qualified persons(s) in accordance with all applicable codes and standards, including fire-rated construction.

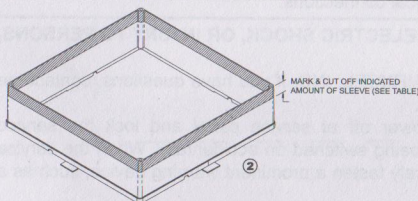
### STEP 1

**MAXXAIR MINI VENT** 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.

### STEP 2

Measure the thickness of the roof opening and, if necessary, mark and cut the height of the **MAXXAIR MINI VENT** sleeve per the following table. **NOTE:** for curved roofs measure the thickest part of the roof.

VEHICLE ROOF THICKNESS	CUT FROM MAXXAIR MINI VENT SLEEVE	LENGTH OF SCREWS(4)
4.0 – 4.5 inches	NONE (use full length sleeve)	4.5 inches
3.5 – 4.0 inches	0.5 inches	4.5 inches
3.0 – 3.5 inches	1.0 inches	3.5 inches
2.5 – 3.0 inches	1.5 inches	3.5 inches
2.0 – 2.5 inches	2.0 inches	2.5 inches
1.5 – 2.0 inches	2.5 inches	2.5 inches
1.0 – 1.5 inches	N/A, Sleeve not used	1.5 inches

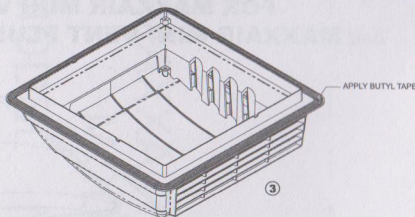


### STEP 3

Prior to installing the **MAXXAIR MINI VENT** hood portion over the roof opening, apply a continuous strip of **BUTYL** tape or equivalent to the underside of the flange in the area under the screw location dimples.

**CAUTION!** When installing your **MAXXAIR MINI VENT**, 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 (MEK), Acetate or Acetone as they can damage the flange. Also, Polysulfide (Thiokol) type sealants must be avoided.

If in doubt, please contact the manufacturer of your RV for further information.

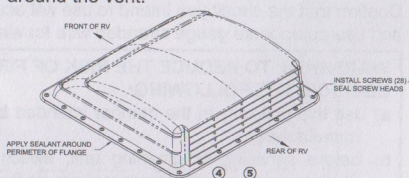


### STEP 4

Insert the **MAXXAIR MINI VENT** hood into the roof opening with the louvered section facing the rear of the vehicle and centering the hood in the opening. Using the twenty-eight (28) screws provided, attach the flange to the roof at each dimple location along the flange. Screw into the dimple to pierce the flange, making sure not to overtighten the screws to avoid cracking the flange.

### STEP 5

After the **MAXXAIR MINI VENT** hood has been installed, remove the excess **BUTYL** caulk that may have squeezed out. Using a sealer such as **Dicor** self-leveling lap sealant or similar caulking, apply a daub over every exposed screw head. In addition, apply a bead (approximately 3/16" dia.) along the outside edge of the flange all the way around the vent.



### THIS COMPLETES THE ROOF TOP PORTION OF THE INSTALLATION

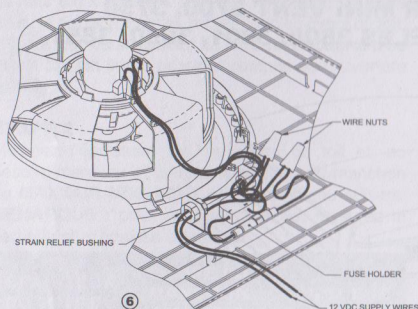
**NOTE:** FOR INSTALLATION OF **MAXXAIR MINI VENT 3700 & 3750** PLEASE SKIP TO STEP 8

**CAUTION!** Disconnect main vehicle power before connecting 12 volt DC power to the **MAXXAIR MINI VENT Plus!**



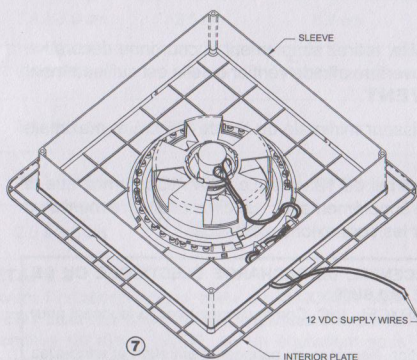
### STEP 6

Insert the 12 volt DC power supply wires into the open hole in the side of the metal switch bracket on the **MAXXAIR MINI VENT Plus**. Allowing 4 to 6 inches of wire inside the bracket, secure the wires to the bracket with the supplied strain relief bushing. Using the supplied wire nuts, connect the Positive (+)12VDC supply wire to the **MAXXAIR MINI VENT Plus** wire(s) marked "Pos. 12 VDC" and the Negative (-)12VDC supply wire to the **MAXXAIR MINI VENT Plus** wire marked "Neg. 12 VDC".



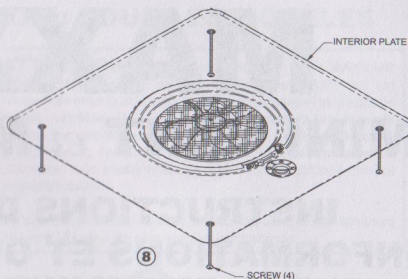
### STEP 7

Route supply wires to notch in the back of the **MAXXAIR MINI VENT Plus** interior plate, place sleeve over interior plate with supply wires routed through hole formed between interior plate and sleeve.



### STEP 8

Raise interior plate/sleeve to ceiling and ensure that sleeve meshes with **MAXXAIR MINI VENT** roof top flange. Refer to screw lengths in table of **STEP 2** and use the proper length screws depending on your roof thickness to secure the interior plate to the roof top flange, taking care not to overtighten the screws to avoid cracking or deforming the interior plate.



### STEP 9

Reconnect main vehicle power to the **MAXXAIR MINI VENT Plus**. **THIS COMPLETES THE INSTALLATION OF YOUR MAXXAIR® MINI VENT PLUS.**

### OPERATION OF YOUR MAXXAIR® MINI VENT Plus

Operation of your **MAXXAIR MINI VENT** simply entails turning the ON/OFF switch to activate the exhaust fan or (optionally) the LED lighting. Open the air baffle in the interior plate to allow maximum airflow. Close baffle to impede infiltration of air when exhaust fan is not in use.

### USER SERVICING INSTRUCTIONS

Replacing the fuse of your **MAXXAIR MINI VENT Plus**:

- Remove the 4 screws that hold the interior plate in place and lower the interior plate.
- Locate the fuse holder and remove the fuse carefully by turning the fuse holder counter clockwise.
- Risk of fire. Replace the fuse with 5Amp, 125V fuse.
- Place one end of the fuse in the male side of the fuse holder.
- Screw the two halves of the fuse holder together by turning in the clockwise direction until snug.
- Raise interior plate/sleeve to ceiling and ensure that sleeve meshes with **MAXXAIR MINI VENT** roof top flange.
- Secure the interior plate to the roof top flange using the 4 screws, taking care not to overtighten the screws to avoid cracking or deforming the interior plate.

Cleaning of your **MAXXAIR MINI VENT** may be achieved with mild soap and water only. Before removing the screen for cleaning, ensure the fan is turned to the OFF position. **CAUTION: Do not operate the fan with the screen removed.**

Should you have questions, please contact **AIRXCEL / MAXXAIR VENTILATION SOLUTIONS** Customer Service at 316.832.4357.