

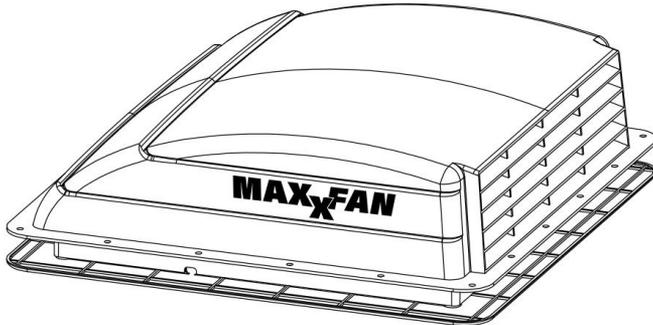
# MAXXAIR

## MAXXFAN MINI PLUS & DELUXE

### *with* WALL CONTROLS

#### INSTALLATION INSTRUCTIONS, INFORMATION AND OPERATING GUIDE

#### FOR MAXXFAN MINI MODELS 3802, 3852, 3803, 3853, 3804, 3854



#### READ AND SAVE THESE INSTRUCTIONS

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

The **MAXXFAN MINI / MINI Plus / MINI Deluxe** 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**

**MINI / MINI Plus / MINI Deluxe** sleeve into the opening.

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

The **MAXXFAN MINI / MINI Plus / MINI Deluxe** 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:**

- a) Use this unit in the manner intended by AIRXCL, INC. If you have questions, contact the manufacturer.
- b) 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.**

## INSTALLATION INSTRUCTIONS

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

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

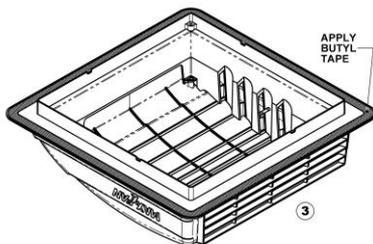
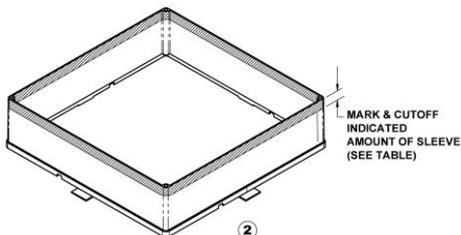
### STEP 1

**MAXXFAN MINI** require 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 **MAXXFAN MINI** sleeve per the following table. **NOTE:** for curved roofs measure the thickest part of the roof.

VEHICLE ROOF THICKNESS	CUT FROM MAXXFAN MINI SLEEVE	LENGTH OF SCREW (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	Not Applicable, Sleeve not used	1.5 inches

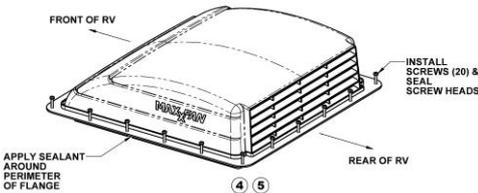


### STEP 3

Prior to installing the **MAXXFAN MINI** 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 **MAXXFAN MINI**, 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.



#### STEP 4

Insert the **MAXXFAN MINI** 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.

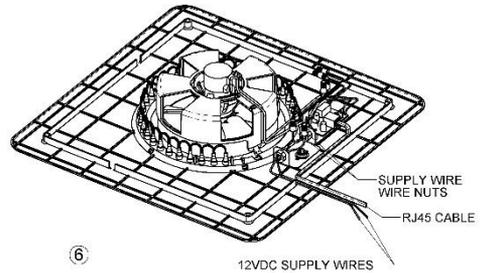
#### STEP 5

After the **MAXXFAN MINI** hood has been installed, remove the excess BUTYL caulk that may have squeezed out. Using a sealer such as Dacor 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

**CAUTION!** Disconnect main vehicle power before connecting 12 volt DC power to the **MAXXFAN MINI Plus or MINI Deluxe!**

#### STEP 6

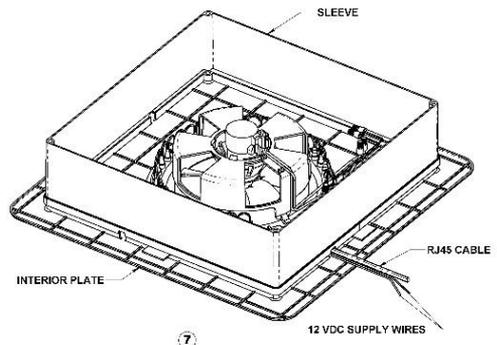


Insert the 12 volt DC power supply wires into the open hole in the side of the metal bracket on the **MAXXFAN MINI**, allowing 4 to 6 inches of wire inside the bracket. Secure the wires to the bracket with the supplied strain relief bushing. Using the supplied wire nuts, connect the Positive (+) 12Vdc supply wire to the **MAXXFAN MINI** marked "POS 12VDC" and the Negative (-) 12VDC supply wire to the **MAXXFAN MINI** wire marked "Neg. 12VDC".

Insert the RJ45 cable plug into the connector on the PC Board.

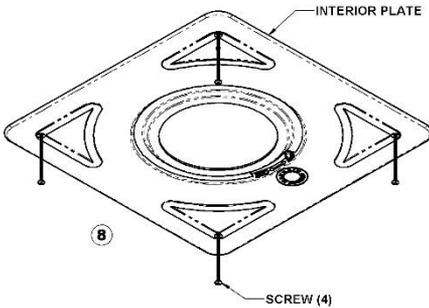
#### STEP 7

Route supply wires and RJ45 cable to notch in the back of the **MAXXFAN MINI Plus/Deluxe** interior plate, place sleeve over interior plate with supply wires routed through hole formed between



interior plate and sleeve.

RJ45 cable can be routed through any side of the Mini as needed.



### STEP 8

Raise interior plate/sleeve to ceiling and ensure that sleeve meshes with **MAXXFAN MINI** roof top flange. Refer to screw lengths in the 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

Select a convenient location for the wall control, keeping in mind the wall control with the motion sensor will turn on the light when it senses movement.

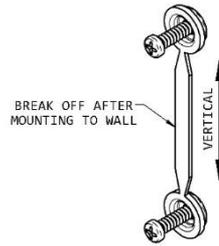
### Step 10

Installing the Wall Control:

Place mounting screw template against the wall where wall control will be mounted.

Using supplied screws, mount the template to the wall.

Remove plastic from between mounting screws.



Insert the RJ45 connector into the back of the wall control. Place wall control on mounting screws and gently push

the wall control down to lock the wall control onto mounting screws.

### STEP 11

Reconnect main vehicle power to the **MAXXFAN MINI Plus/Deluxe**. **THIS COMPLETES THE INSTALLATION OF YOUR MAXXFAN® MINI Plus or MAXXFAN® MINI Deluxe.**

## OPERATION OF YOUR MAXXFAN® MINI Plus / Deluxe

Operation of your **MAXXFAN MINI Plus/Deluxe** simply entails pushing the ON/OFF switch to activate the exhaust fan or optionally: the LED lighting or the motion sensor. 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

Cleaning of your **MAXXFAN MINI** 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 / MAXXFAN VENTILATION SOLUTIONS Customer Service at 316.832.4357.

### 3852 WALL CONTROL



### 3853 WALL CONTROL



#### OPERATION OF THE 3852 WALL CONTROL

<b>FAN ON</b>	Turns the fan motor ON
<b>FAN OFF</b>	Turns the fan motor OFF

#### OPERATION OF THE 3853 WALL CONTROL

<b>FAN ON/OFF</b>	Turns the fan motor ON or OFF
<b>LIGHT ON/OFF</b>	Turns the light ON or OFF

### 3854 WALL CONTROL



#### OPERATION OF THE 3854 WALL CONTROL

<b>FAN</b>	Turns the fan motor on or off
<b>LIGHT</b>	Turns the light on or off
<b>MOTION</b>	<p>Turns the motion sensor option on or off</p> <p><b>Note:</b> The green light on the wall control indicates the motion sensor is activated. When the motion sensor is activated, the light will turn on when motion is sensed. The light will turn off after 20 seconds if there is no movement detected.</p>

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**For additional product information please visit [www.AIRXCEL.com](http://www.AIRXCEL.com)**

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